Vodloon
SOLAR

SOLAR PUMP

Product Catalog

2026

PRODUCT CATALOG

CE ISO9001

Vodloon
SOLAR

COMPANY PROFILE

Ningbo Vodloon New Energy Co., Ltd. is the leading manufacturer and exporter of water pumps in China, located in Yinzhou, Ningbo, Zhejiang province.

With over 20 years experience and efforts, our products has diversiÞed into wide range of selections to meet customers' Needs which include Solar pumps, Submersible pumps, Deep well pumps, and Land domestic pumps, etc. While our latest Energy-saving products---Solar pumps have developed rapidly and got a great success during recent years. After several years' Development, VDL' S network has been spread to about 80 countries and regions around the world. We have become the long-term supplier of world-class retailer

Besides the IATF quality control system, VDL has a group of professional technical engineers and a strong R&D team. Our engineers are able to provide expert technical support with the most efÞcient and cost effective solutions. The R&D team satisÞes customers with specialized design and develops new products according to market demand.

VDL has good cooperative relationships with some noted universities and institutes, and also famous manufacturers in Europe. It greatly strengthens VDL' S R&D ability.

To do the best pump from China is VDL' S purpose

ISO 9001-2015



CE



IEC 60335-2-41



BV Certificate



BELIEVE IN THE
POWER OF BRAND

UMP

catalog

SSCO / ZSCO DC MPPT CONTROLLER SOLAR WATER PUMP

S01 - S27

- S3SS
- S4SS
- S3HS
- S4HS
- S3PC
- S4PC
- S3SC
- S4SC
- S4/6SC
- SSQD
- SSQB
- SSSP
- SSHF

ZSCO_ADHY AC/DC SWITCHING CONTROLLER SOLAR WATER PUMP

H01 - H23

- Z3PC-A/DHY
- S4PC-A/DHY
- S3SC-A/DHY
- S4SC-A/DHY
- S4/6SC-A/DHY
- ZSSP-A/DHY
- ZSHF-A/DHY


Large Flow
Gao Yangcheng


All-copper motor coil


Low noise


High efficiency
and energy saving


Super durability

Vodloon
SOLAR

INTD BUILT-IN DC MPPT CONTROLLER SOLAR WATER PUMP

I01 - I18

- I3SS
- I4SS
- I3PC
- I4PC
- I3PCb
- I4PCb
- I3SC
- I4SC
- I4/6SC

HUGE POWER SOLAR PUMP INVERTER

V01 - V07

- ZFPV 500

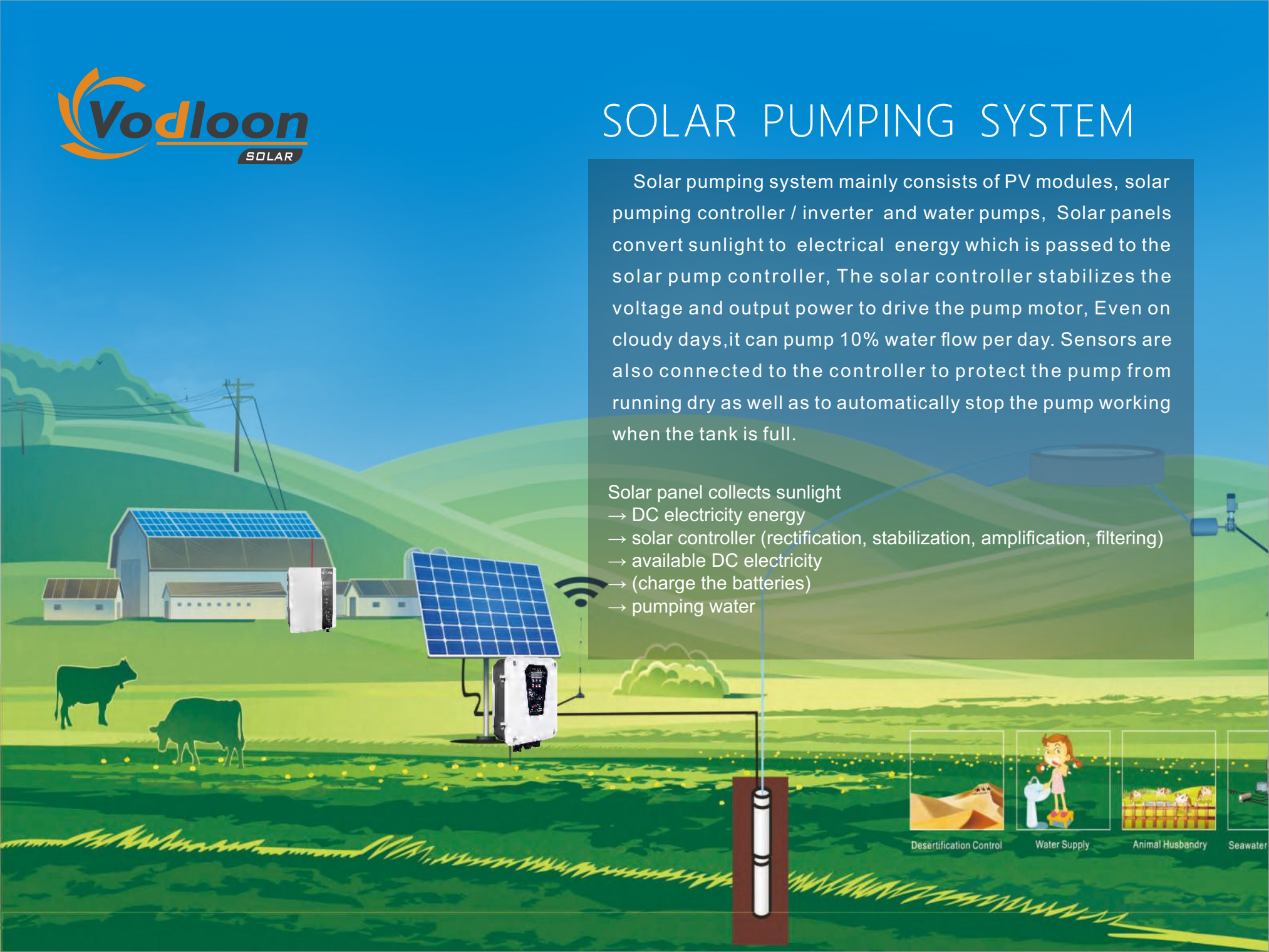
SOLAR PANEL RECOMMENDATION

V08 - V12

SOLAR PUMPING SYSTEM

Solar pumping system mainly consists of PV modules, solar pumping controller / inverter and water pumps, Solar panels convert sunlight to electrical energy which is passed to the solar pump controller, The solar controller stabilizes the voltage and output power to drive the pump motor, Even on cloudy days,it can pump 10% water flow per day. Sensors are also connected to the controller to protect the pump from running dry as well as to automatically stop the pump working when the tank is full.

Solar panel collects sunlight
→ DC electricity energy
→ solar controller (rectification, stabilization, amplification, filtering)
→ available DC electricity
→ (charge the batteries)
→ pumping water



Vodloon
SOLAR





ESCO Economical
Mppt Controller



SSCO DC
Mppt Controller



ZSCO DC
Mppt Controller



ZSCO_ADHY AC/DC
Hybrid Mppt Controller



ZSCO_ADSW AC/DC
Hybrid Mppt Controller



ZSCO_ADCP AC/DC
Hybrid Mppt Controller



ZFPV500
Solar Pump Inverter



ZFPV150
Solar Pump Inverter

Solar Water Pump System Complete Set

1. Solar pump with 5m cable, longer cable is available if required
2. MPPT &DSP Controller
3. Water level sensor or float switch
4. Other Accessories: Outlet / MC4 PV Cable Connector / PTFE Tape / Electric tape / screwdriver / Pipe hoop / Water pipe connector
5. Nylon Rope to hang the pump
6. Screw or Impeller for replace
7. Installation Manual
8. Solar panels are option

APPLICATION FOR SOLAR PUMPING SYSTEM



Irrigation

Stock farming

Fountain

Drinking water

Ecological management

Vodloon SOLAR

APPLICATION



For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

SSCO/ZSCO DC

MPPT CONTROLLER SOLAR PUMP SERIES

www.vodloon.com

Large Flow Gao Yangcheng
All-copper motor coil
Low noise
High efficiency and energy saving
Super durability

Vodloon SOLAR



SSCO DC

MPPT CONTROLLER

Vodloon SOLAR

APPLICATION



For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation



SSCO CONTROLLER PERFORMANCE DATA

Item		SSCO_YDC24	SSCO_YDC48	SSCO_YDC72	SSCO_YDC96	SSCO_YDC11	SSCO_YDC15	SSCO_YDC20	SSCO_YDC30
Rated Voltage		24V DC	48V DC	72V DC	96V DC	110V DC	150V DC	200 VDC	300 VDC
Rated Current		15A	15A	15A	15A	15A	12A	12A	12A
Biggest open voltage(VOC)		80V DC	150V DC	200V DC	200V DC	250V DC	300V DC	350V DC	400V DC
Max Power		600W	900W	1300W	1600W	1800W	1600W	1800W	2500W
Voltage	Under Voltage	18.0±0.2VDC	30.0±0.2VDC	50.0±0.2VDC	60.0±0.2VDC	70.0±0.2VDC	120.0±0.2VDC	160.0±0.2VDC	220.0±0.2VDC
	Best Working Voltage	30±0.2VDC	60±0.2VDC	90±0.2VDC	110±0.2VDC	120±0.2VDC	150±0.2VDC	200±0.2VDC	300±0.2VDC
Current	Overload	20A	20A	20A	20A	20A	15A	15A	15A
	Over current	25A	25A	25A	25A	25A	20A	20A	20A
Dimension		220*200*90mm	220*200*90mm	220*200*90mm	220*200*90mm	220*200*90mm	220*200*90mm	220*200*90mm	220*200*90mm
Weight		2.10kg	2.10kg	2.10kg	2.10kg	2.10kg	2.10kg	2.10kg	2.10kg
Ambient Temperature		-20℃+50℃	-20℃+50℃	-20℃+50℃	-20℃+50℃	-20℃+50℃	-20℃+50℃	-20℃+50℃	-20℃+50℃
Adaptive Solar Panel	Peak Voltage	29.8VDC	29.8VDC	35.6VDC	35.6VDC	35.6VDC	35.6VDC	35.6VDC	35.6VDC
	Open-circuit Voltage	36.9VDC	36.9VDC	43.5VDC	43.5VDC	43.5VDC	43.5VDC	43.5VDC	43.5VDC

Vodloon SOLAR

S3SS
Solar Submersible Pump Series







01
Outlet
0.75 inch,
Stainless Steel AISI 304SS/316SS

02
Inlet
Stainless Steel
AISI 304SS/316SS





03
Bottom support
Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

- Running Speed Control
- Short-Circuit Protection
- MPPT
- Dry Running Protection (Stop)
- Soft Starting Protection
- Reverse Voltage Protection
- Low-voltage / Over-voltage Protection
- Over Current Protection



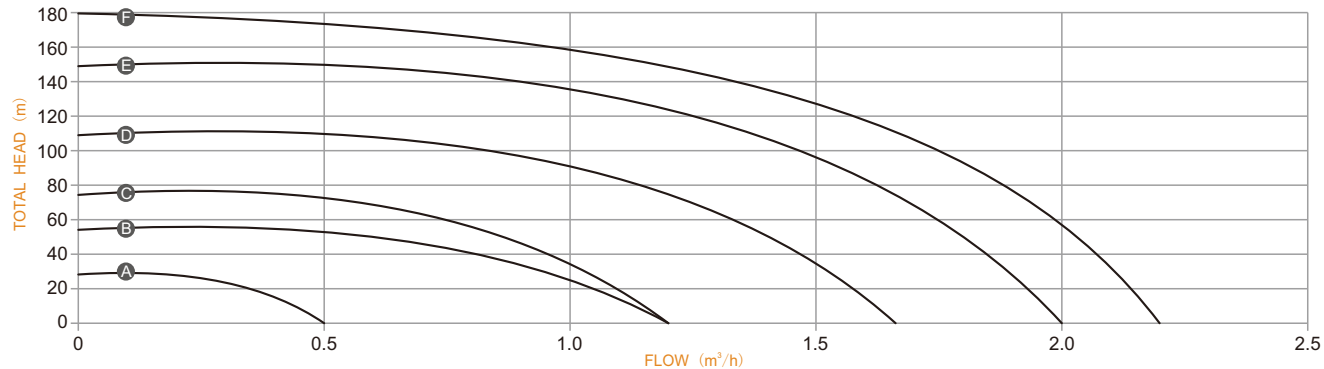


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S3SS0.5-28-12-80	12V	20-36V	80W	0.5m³/h	28m	0.75"	2m	<50V	≥1.3*PUMP POWER
B	S3SS1.2-56-24-120	24V	30-48V	120W	1.2m³/h	56m	0.75"	2m	<50V	≥1.3*PUMP POWER
C	S3SS1.2-77-36-210	36V	30-48V	210W	1.2m³/h	77m	0.75"	2m	<50V	≥1.3*PUMP POWER
D	S3SS1.7-109-48(72)-500	48(72)V	60-90V (72-120V)	500W	1.7m³/h	109m	0.75"	2m	<100(150)V	≥1.3*PUMP POWER
E	S3SS2.0-150-72(96)-750	72(96)V	90-120V (110-150V)	750W	2.0m³/h	150m	0.75"	2m	<150(200)V	≥1.3*PUMP POWER
F	S3SS2.2-180-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	2.2m³/h	180m	0.75"	2m	<200(300)V	≥1.3*PUMP POWER

Vodloon SOLAR

S4SS
Solar Submersible Pump Series







01
Outlet
1.0 inch,
Stainless Steel AISI 304SS/316SS



02
Inlet
Stainless Steel
AISI 304SS/316SS





03
Bottom support
Stainless Steel
AISI 304SS/316SS

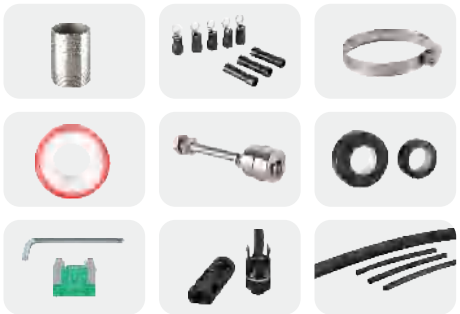
ADVANCED TECHNOLOGY





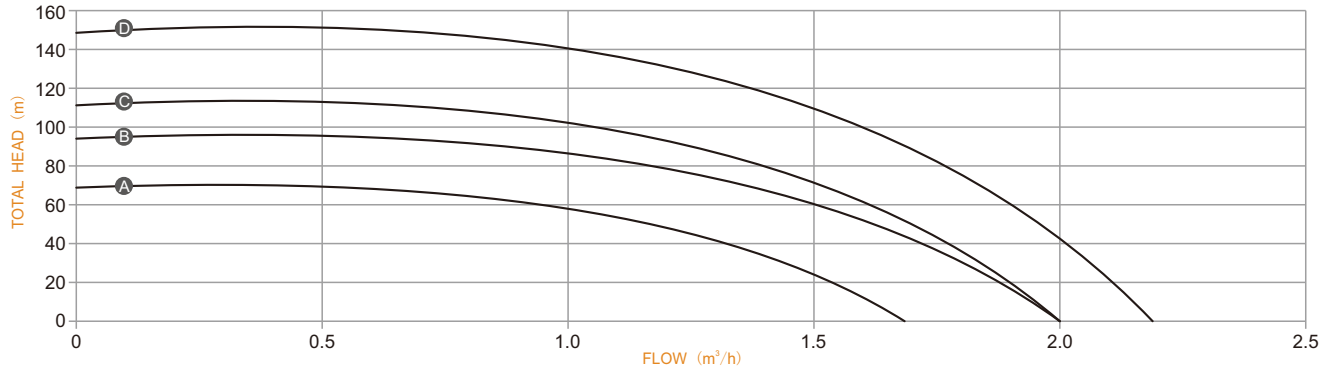


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
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Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S4SS1.7-70-48(72)-500	48(72)V	60-90V (72-120V)	500W	1.7m³/h	70m	1"	2m	<100(150)V	≥1.3*PUMP POWER
B	S4SS2.0-95-72(96)-750	72(96)V	90-120V (110-150V)	750W	2.0m³/h	95m	1"	2m	<150(200)V	≥1.3*PUMP POWER
C	S4SS2.0-110-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	2.0m³/h	110m	1"	2m	<200(300)V	≥1.3*PUMP POWER
D	S4SS2.2-150-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	2.2m³/h	150m	1"	2m	<200(350)V	≥1.3*PUMP POWER

Vodloon SOLAR

S3HS
Solar Submersible Pump Series

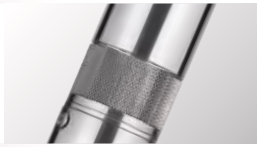






01
Outlet
0.75 inch,
Stainless Steel AISI 304SS/316SS

02
Inlet
Stainless Steel
AISI 304SS/316SS





03
Bottom support
Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

- Running Speed Control
- Short-Circuit Protection
- MPPT
- Dry Running Protection (Stop)
- Soft Starting Protection
- Reverse Voltage Protection
- Low-voltage / Over-voltage Protection
- Over Current Protection



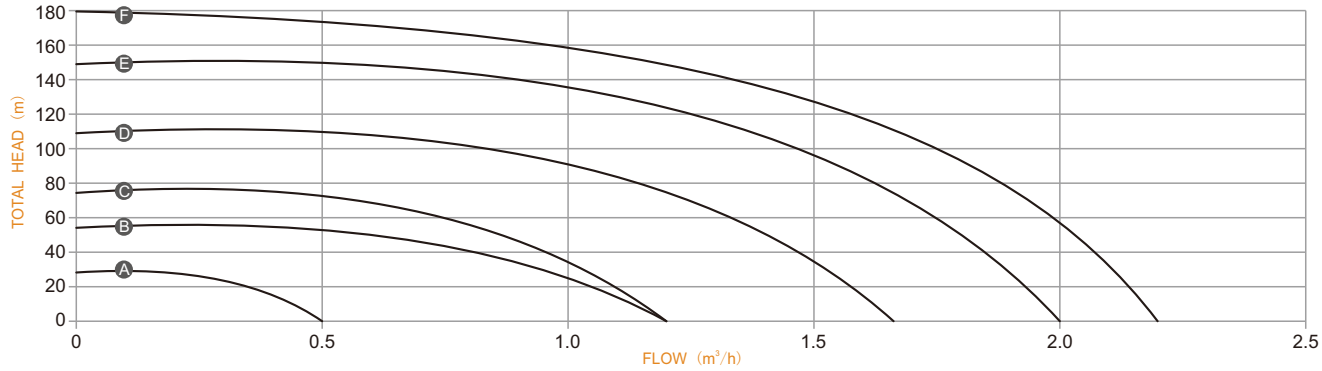


FREE SPARE PARTS



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PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S3HS0.5-28-12-80	12V	20-36V	80W	0.5m³/h	28m	0.75"	2m	<50V	≥1.3*PUMP POWER
B	S3HS1.2-56-24-120	24V	30-48V	120W	1.2m³/h	56m	0.75"	2m	<50V	≥1.3*PUMP POWER
C	S3HS1.2-77-36-210	36V	30-48V	210W	1.2m³/h	77m	0.75"	2m	<50V	≥1.3*PUMP POWER
D	S3HS1.7-109-48(72)-500	48(72)V	60-90V (72-120V)	500W	1.7m³/h	109m	0.75"	2m	<100(150)V	≥1.3*PUMP POWER
E	S3HS2.0-150-72(96)-750	72(96)V	90-120V (110-150V)	750W	2.0m³/h	150m	0.75"	2m	<150(200)V	≥1.3*PUMP POWER
F	S3HS2.2-180-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	2.2m³/h	180m	0.75"	2m	<200(300)V	≥1.3*PUMP POWER

Vodloon SOLAR

S4HS
Solar Submersible Pump Series

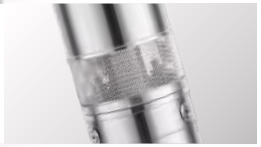






01
Outlet
1.0 inch,
Stainless Steel AISI 304SS/316SS

02
Inlet
Stainless Steel
AISI 304SS/316SS





03
Bottom support
Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

- Running Speed Control
- Short-Circuit Protection
- MPPT
- Dry Running Protection (Stop)
- Soft Starting Protection
- Reverse Voltage Protection
- Low-voltage / Over-voltage Protection
- Over Current Protection



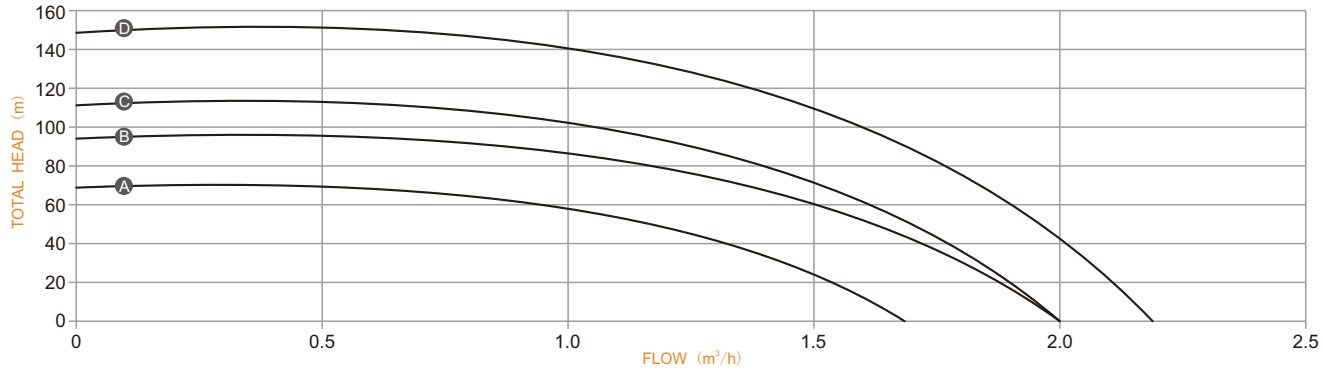


FREE SPARE PARTS



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PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S4HS1.7-70-48(72)-500	48(72)V	60-90V (72-120V)	500W	1.7m³/h	70m	1"	2m	<100(150)V	≥1.3*PUMP POWER
B	S4HS2.0-95-72(96)-750	72(96)V	90-120V (110-150V)	750W	2.0m³/h	95m	1"	2m	<150(200)V	≥1.3*PUMP POWER
C	S4HS2.0-110-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	2.0m³/h	110m	1"	2m	<200(300)V	≥1.3*PUMP POWER
D	S4HS2.2-150-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	2.2m³/h	150m	1"	2m	<200(350)V	≥1.3*PUMP POWER

Vodloon SOLAR

S3PC
Solar Submersible Pump Series







01
Outlet
1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02
Inlet
Stainless Steel
AISI 304SS/316SS





03
Bottom support
Stainless Steel
AISI 304SS/316SS

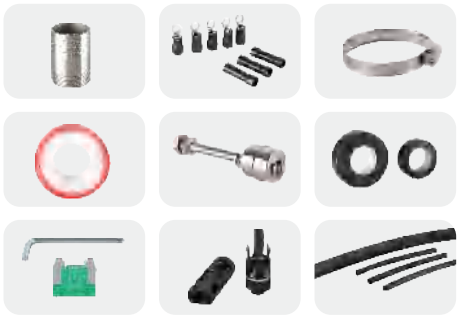
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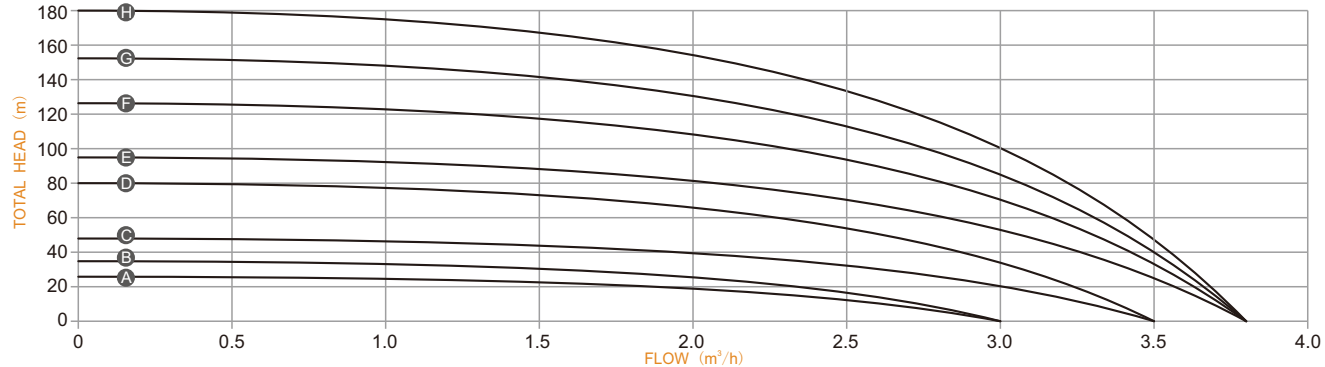


FREE SPARE PARTS



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PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S3PC3-25-24-200	24V	30-48V	200W	3.0m³/h	25m	1.25"	2m	<50V	≥1.3*PUMP POWER
B	S3PC3-35-24-300	24V	30-48V	300W	3.0m³/h	35m	1.25"	2m	<50V	≥1.3*PUMP POWER
C	S3PC3.5-47-48-400	48V	60-90V	400W	3.5m³/h	47m	1.25"	2m	<100V	≥1.3*PUMP POWER
D	S3PC3.5-80-48(72)-600	48(72)V	60-90V (72-120V)	600W	3.5m³/h	80m	1.25"	2m	<100(150)V	≥1.3*PUMP POWER
E	S3PC3.5-95-72(96)-750	72(96)V	90-120V (110-150V)	750W	3.5m³/h	95m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
F	S3PC3.8-123-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	3.8m³/h	123m	1.25"	2m	<200(300)V	≥1.3*PUMP POWER
G	S3PC3.8-155-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	3.8m³/h	155m	1.25"	2m	<200(350)V	≥1.3*PUMP POWER
H	S3PC3.8-180-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	3.8m³/h	180m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER

Vodloon SOLAR

S3PC
Solar Submersible Pump Series







01
Outlet
1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02
Inlet
Stainless Steel
AISI 304SS/316SS





03
Bottom support
Stainless Steel
AISI 304SS/316SS

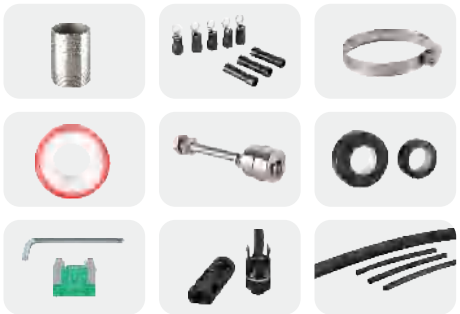
ADVANCED TECHNOLOGY





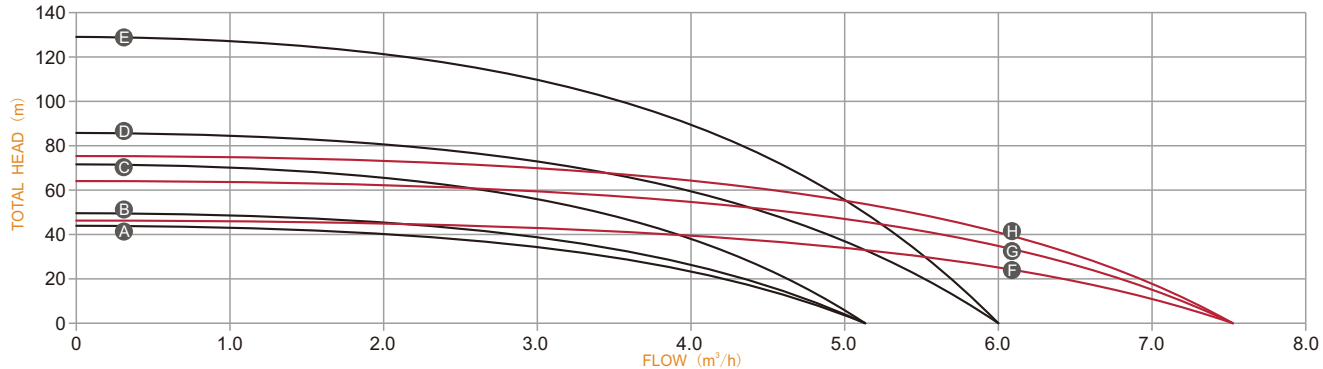


FREE SPARE PARTS



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Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S3PC5.2-45-48(72)-500	48(72)V	60-90V (72-120V)	500W	5.2m³/h	45m	1.5"	2m	<100(150)V	≥1.3*PUMP POWER
B	S3PC5.2-50-48(72)-600	48(72)V	60-90V (72-120V)	600W	5.2m³/h	50m	1.5“	2m	<100(150)V	≥1.3*PUMP POWER
C	S3PC5.2-75-72(96)-750	72(96)V	90-120V (110-150V)	750W	5.2m³/h	75m	1.5"	2m	<150(200)V	≥1.3*PUMP POWER
D	S3PC6-84-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	6.0m³/h	84m	1.5"	2m	<200(300)V	≥1.3*PUMP POWER
E	S3PC6-125-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	6.0m³/h	125m	1.5"	2m	<200(400)V	≥1.3*PUMP POWER
F	S3PC7.5-43-72(96)-750	72(96)V	90-120V (110-150V)	750W	7.5m³/h	43m	1.5"	2m	<150(200)V	≥1.3*PUMP POWER
G	S3PC7.5-62-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	7.5m³/h	62m	1.5"	2m	<200(300)V	≥1.3*PUMP POWER
H	S3PC7.5-78-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	7.5m³/h	78m	1.5"	2m	<200(400)V	≥1.3*PUMP POWER

Vodloon SOLAR

S4PC
Solar Submersible Pump Series

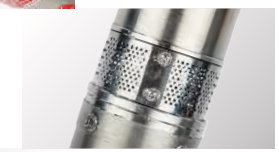






01
Outlet
1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02
Inlet
Stainless Steel
AISI 304SS/316SS





03
Bottom support
Stainless Steel
AISI 304SS/316SS

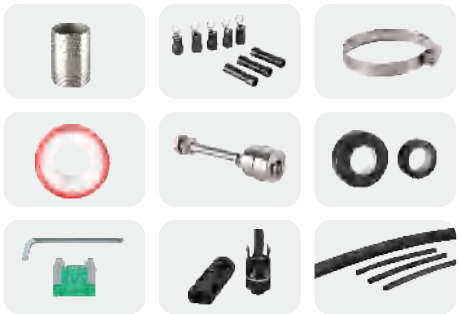
ADVANCED TECHNOLOGY

- Running Speed Control
- Short-Circuit Protection
- MPPT
- Dry Running Protection (Stop)
- Soft Starting Protection
- Reverse Voltage Protection
- Low-voltage / Over-voltage Protection
- Over Current Protection



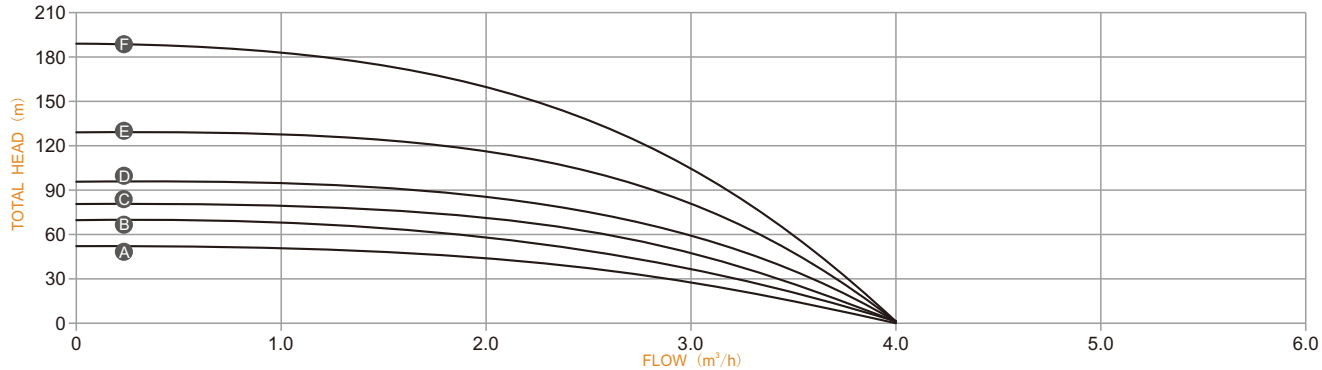


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4PC4-50-48(72)-600	48(72)V	60-90V (72-120V)	600W	4m³/h	50m	1.25"	2m	<100(150)V	≥1.3*PUMP POWER
B	Z4PC4-70-72(96)-750	72(96)V	90-120V (110-150V)	750W	4m³/h	70m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
C	Z4PC4-80-96(120)-900	96(120)V	110-150V (120-200V)	900W	4m³/h	80m	1.25"	2m	<200(300)V	≥1.3*PUMP POWER
D	Z4PC4-95-110(150)-1100	110(150)V	110-180V (150-250V)	1100W	4m³/h	95m	1.25"	2m	<200(350)V	≥1.3*PUMP POWER
E	Z4PC4-130-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	4m³/h	130m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER
F	Z4PC4-190-300-2200	300V	300-420V	2200W	4m³/h	190m	1.25"	2m	<450V	≥1.3*PUMP POWER

Vodloon SOLAR

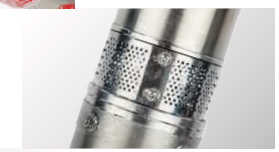
S4PC
Solar Submersible Pump Series







01
Outlet
1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS



02
Inlet
Stainless Steel
AISI 304SS/316SS



03
Bottom support
Stainless Steel
AISI 304SS/316SS

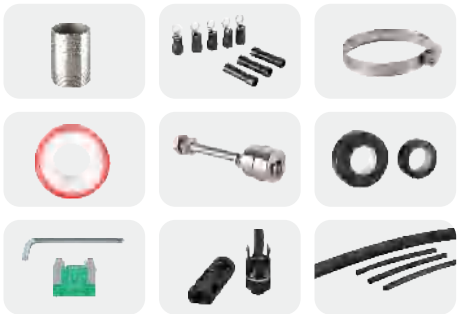
ADVANCED TECHNOLOGY





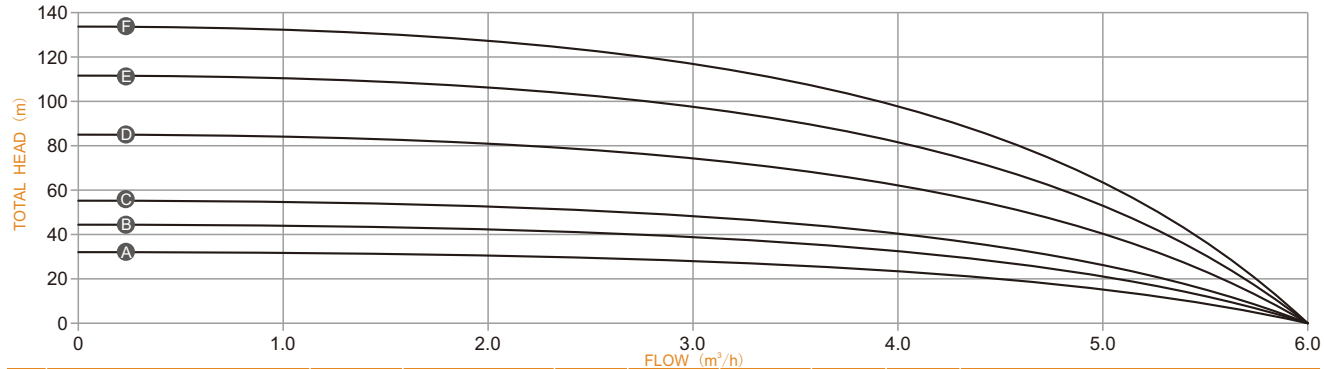


FREE SPARE PARTS



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Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S4PC6-32-48-400	48V	60-90V	400W	6.0m³/h	32m	1.25"	2m	<100V	≥1.3*PUMP POWER
B	S4PC6-42-48(72)-600	48(72)V	60-90V (72-120V)	600W	6.0m³/h	42m	1.25"	2m	<100(150)V	≥1.3*PUMP POWER
C	S4PC6-56-72(96)-750	72(96)V	90-120V (110-150V)	750W	6.0m³/h	56m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
D	S4PC6-84-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	6.0m³/h	84m	1.25"	2m	<200(300)V	≥1.3*PUMP POWER
E	S4PC6-112-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	6.0m³/h	112m	1.25"	2m	<200(350)V	≥1.3*PUMP POWER
F	S4PC6-135-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	6.0m³/h	135m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER
G	S4PC6-175-300-2200	300V	300-420V	2200W	6.0m³/h	175m	1.25"	2m	<450V	≥1.3*PUMP POWER

Vodloon SOLAR

S4PC
Solar Submersible Pump Series

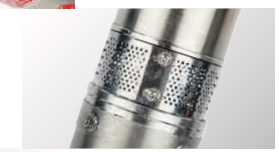






01
Outlet
1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02
Inlet
Stainless Steel
AISI 304SS/316SS





03
Bottom support
Stainless Steel
AISI 304SS/316SS

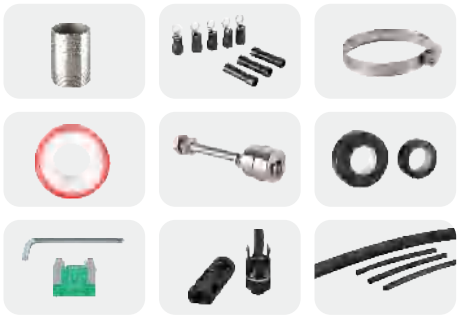
ADVANCED TECHNOLOGY

- Running Speed Control
- Short-Circuit Protection
- MPPT
- Dry Running Protection (Stop)
- Soft Starting Protection
- Reverse Voltage Protection
- Low-voltage / Over-voltage Protection
- Over Current Protection

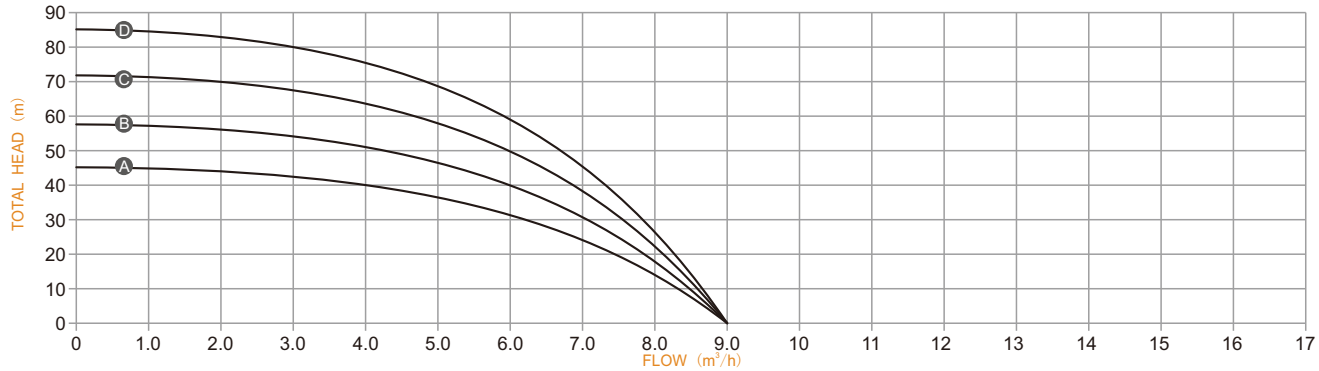




FREE SPARE PARTS



PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S4PC9-45-96-750	96V	110-150V	750W	9.0m³/h	45m	2"	2m	<200V	≥1.3*PUMP POWER
B	S4PC9-58-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	9.0m³/h	58m	2"	2m	<200(300)V	≥1.3*PUMP POWER
C	S4PC9-71-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	9.0m³/h	71m	2"	2m	<200(350)V	≥1.3*PUMP POWER
D	S4PC9-85-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	9.0m³/h	85m	2"	2m	<200(400)V	≥1.3*PUMP POWER
E	S4PC9-125-300-2200	300V	300-400V	2200W	9.0m³/h	125m	2"	2m	<450V	≥1.3*PUMP POWER

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Temperature Protection and against reverse polarity

Vodloon SOLAR

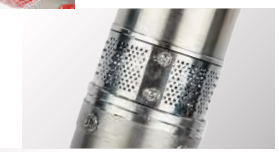
S4PC
Solar Submersible Pump Series







01
Outlet
1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS



02
Inlet
Stainless Steel
AISI 304SS/316SS



03
Bottom support
Stainless Steel
AISI 304SS/316SS

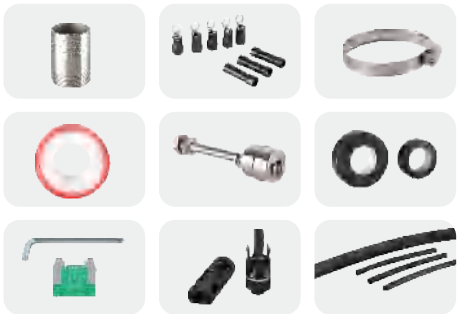
ADVANCED TECHNOLOGY

- Running Speed Control
- Short-Circuit Protection
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- Dry Running Protection (Stop)
- Soft Starting Protection
- Reverse Voltage Protection
- Low-voltage / Over-voltage Protection
- Over Current Protection



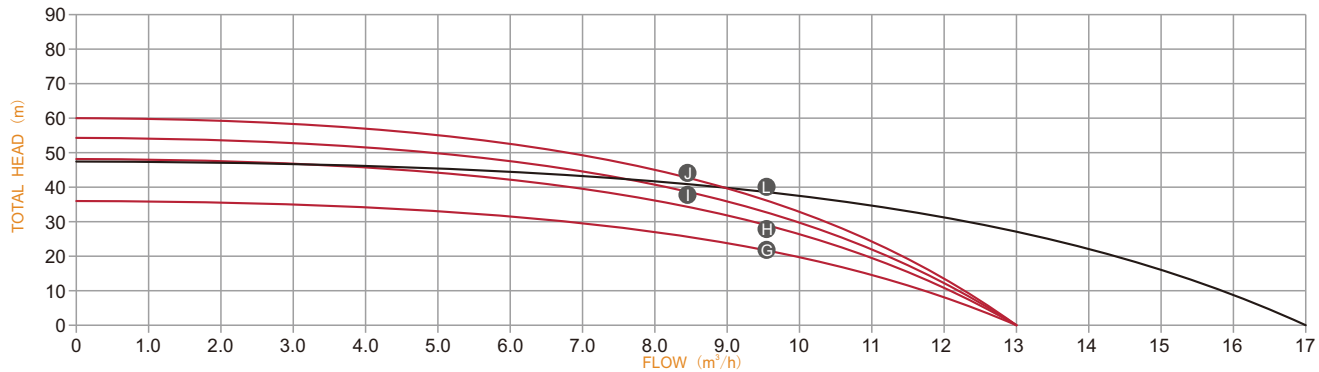


FREE SPARE PARTS



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PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
G	S4PC13-42-96-750	96V	110-150V	750W	13m³/h	42m	2"	2m	<200V	≥1.3*PUMP POWER
H	S4PC13-50-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	13m³/h	50m	2"	2m	<200(300)V	≥1.3*PUMP POWER
I	S4PC13-58-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	13m³/h	58m	2"	2m	<200(350)V	≥1.3*PUMP POWER
J	S4PC13-63-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	13m³/h	63m	2"	2m	<200(400)V	≥1.3*PUMP POWER
K	S4PC13-110-300-2200	300V	300-400V	2200W	13m³/h	110m	2"	2m	<450V	≥1.3*PUMP POWER
L	S4PC17-48-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	17m³/h	48m	2"	2m	<200(400)V	≥1.3*PUMP POWER

Vodloon SOLAR

S3SC
Solar Submersible Pump Series







01
Outlet
1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02
Inlet
Stainless Steel
AISI 304SS/316SS





03
Bottom support
Stainless Steel
AISI 304SS/316SS

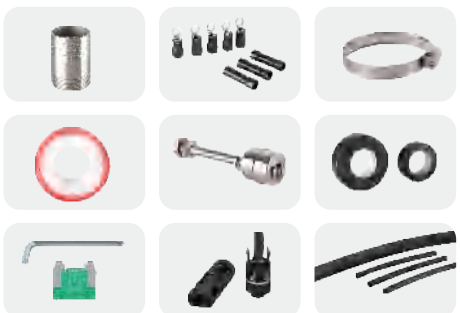
ADVANCED TECHNOLOGY

- Running Speed Control
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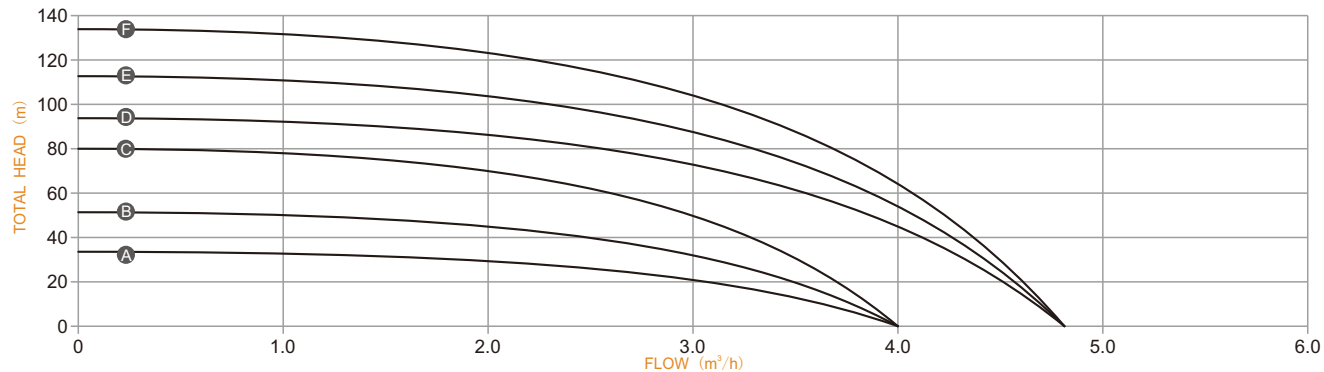


FREE SPARE PARTS



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PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S3SC4-35-24-300	24V	30-48V	300W	4.0m³/h	35m	1.25"	2m	<50V	≥1.3*PUMP POWER
B	S3SC4-50-48-400	48V	60-90V	400W	4.0m³/h	50m	1.25"	2m	<100V	≥1.3*PUMP POWER
C	S3SC4-80-48(72)-600	48(72)V	60-90V (72-120V)	600W	4.0m³/h	80m	1.25"	2m	<100(150)V	≥1.3*PUMP POWER
D	S3SC4.8-95-72(96)-750	72(96)V	90-120V (110-150V)	750W	4.8m³/h	95m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
E	S3SC4.8-112-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	4.8m³/h	112m	1.25"	2m	<200(300)V	≥1.3*PUMP POWER
F	S3SC4.8-135-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	4.8m³/h	135m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER

Vodloon SOLAR

S4SC
Solar Submersible Pump Series







01
Outlet
1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02
Inlet
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03
Bottom support
Stainless Steel
AISI 304SS/316SS

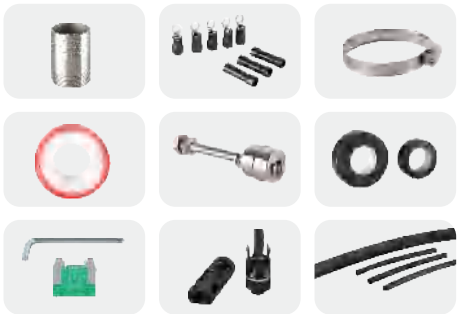
ADVANCED TECHNOLOGY

- Running Speed Control
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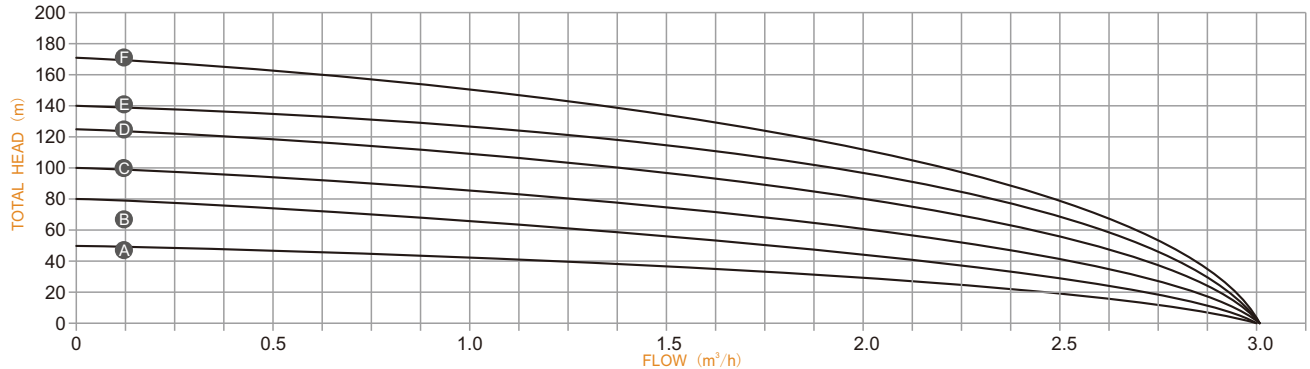


FREE SPARE PARTS



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PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S4SC3.0-50-48-400	48V	60-90V	400W	3.0m³/h	50m	1.25"	2m	<100(150)V	≥1.3*PUMP POWER
B	S4SC3.0-80-72-600	72V	90-120V	600W	3.0m³/h	80m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
C	S4SC3.0-100-72(96)-750	72(96)V	90-150V (150-200V)	750W	3.0m³/h	100m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
D	S4SC3.0-125-96(120)-900	96(120)V	110-150V (180-250V)	900W	3.0m³/h	125m	1.25"	2m	<200(300)V	≥1.3*PUMP POWER
E	S4SC3.0-140-110(150)-1100	110(200)V	110-150V (200-300V)	1100W	3.0m³/h	140m	1.25"	2m	<200(350)V	≥1.3*PUMP POWER
F	S4SC3.0-170-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	3.0m³/h	170m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER
G	S4SC3.0-260-300-2200	300V	300-400V	2200W	3.0m³/h	260m	1.25"	2m	<450V	≥1.3*PUMP POWER

Vodloon SOLAR

S4SC
Solar Submersible Pump Series







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1.25 / 1.5 / 2.0 inch,
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AISI 304SS/316SS

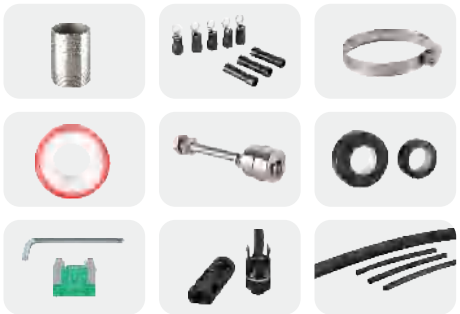
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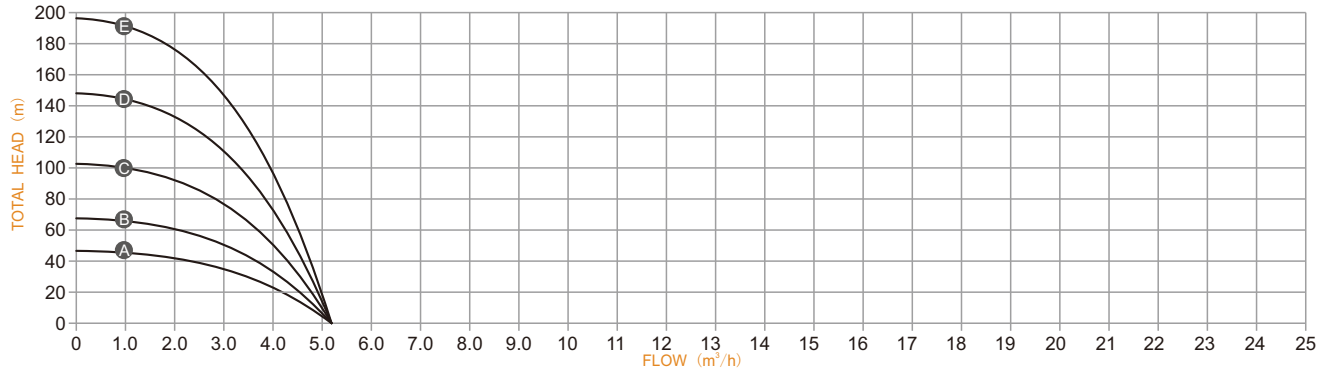


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PERFORMANCE CURVES AND DATA



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									Open circuit voltage (VOC)	Power
A	S4SC5.2-45-48(72)-500	48(72)V	60-90V (72-120V)	500W	5.2m³/h	45m	1.25"	2m	<100(150)V	≥1.3*PUMP POWER
B	S4SC5.2-67-72(96)-750	72(96)V	90-120V (110-150V)	750W	5.2m³/h	67m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
C	S4SC5.2-101-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	5.2m³/h	101m	1.25"	2m	<200(300)V	≥1.3*PUMP POWER
D	S4SC5.2-146-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	5.2m³/h	146m	1.25"	2m	<200(350)V	≥1.3*PUMP POWER
E	S4SC5.2-198-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	5.2m³/h	198m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER
F	S4SC5.2-255-300-2200	300V	300-400V	2200W	5.2m³/h	255m	1.25"	2m	<450V	≥1.3*PUMP POWER

PAGE/S14

Vodloon SOLAR

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01
Outlet
1.25 / 1.5 / 2.0 inch,
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AISI 304SS/316SS

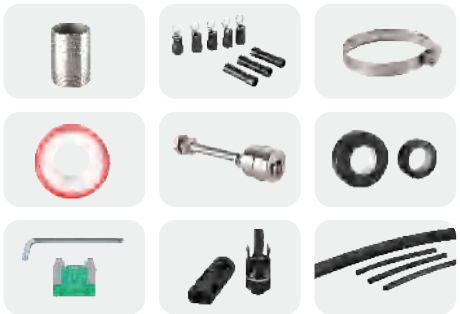
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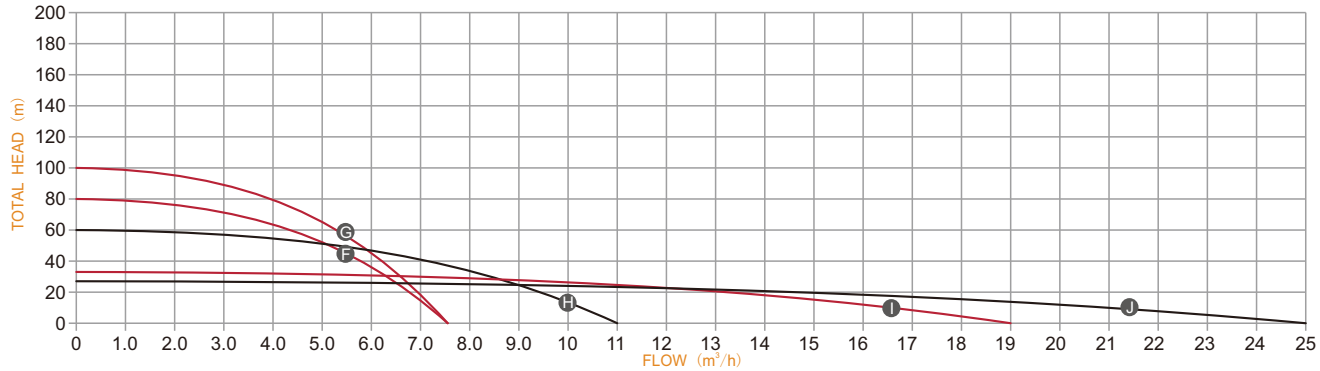


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PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
G	S4SC7.5-80-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	7.5m³/h	80m	1.25"	2m	<200(350)V	≥1.3*PUMP POWER
H	S4SC7.5-100-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	7.5m³/h	100m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER
I	S4SC7.5-150-300-2200	300V	300-400V	2200W	7.5m³/h	150m	1.25"	2m	<450V	≥1.3*PUMP POWER
J	S4SC11-60-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	11m³/h	60m	2"	2m	<200(400)V	≥1.3*PUMP POWER
K	S4SC19-35-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	19m³/h	35m	2"	2m	<200(400)V	≥1.3*PUMP POWER
L	S4SC25-26-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	25m³/h	26m	2"	2m	<200(400)V	≥1.3*PUMP POWER

Vodloon SOLAR

S4/6SC
Solar Submersible Pump Series







01
Outlet
3.0 inch,
Stainless Steel AISI 304SS/316SS

02
Inlet
Stainless Steel
AISI 304SS/316SS





03
Bottom support
Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

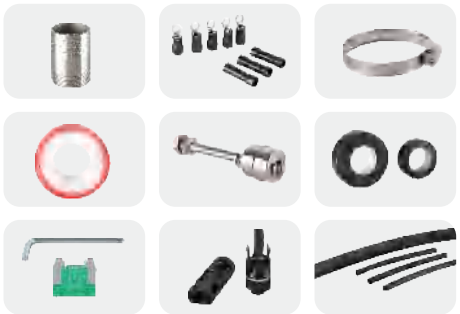


Running Speed Control | Short-Circuit Protection | MPPT | Dry Running Protection | Soft Starting Protection | Reverse Voltage Protection | Low-voltage / Over-voltage Protection | Over Current Protection



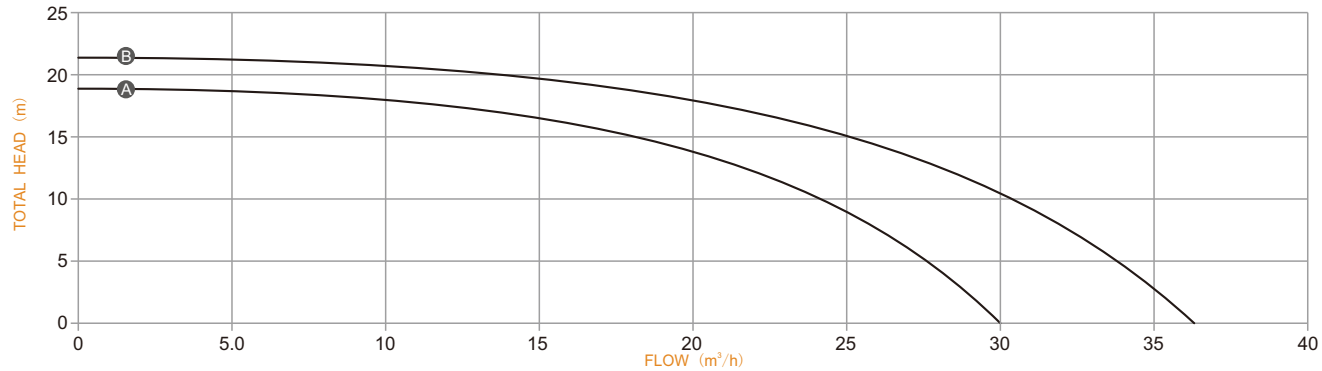


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S4/6SC30-19-110(150)-1100	110(150)V	110-150V (200-300V)	1100W	30m³/h	19m	3"	2m	<200(300)V	≥1.3*PUMP POWER
B	S4/6SC36-22-110(200)-1500	110(200)V	110-150V (150-200V)	1500W	36m³/h	22m	3"	2m	<200(400)V	≥1.3*PUMP POWER
C	S4/6SC36-38-300-2200	300V	300-400V	2200W	36m³/h	38m	3"	2m	<450V	≥1.3*PUMP POWER

Vodloon SOLAR

SSQD
Solar Submersible Pump Series







01
Outlet
2.0 inch,3.0 inch,4.0 inch,
Cast Iron

02
Inlet
Cast Iron





03
Bottom support
Cast Iron

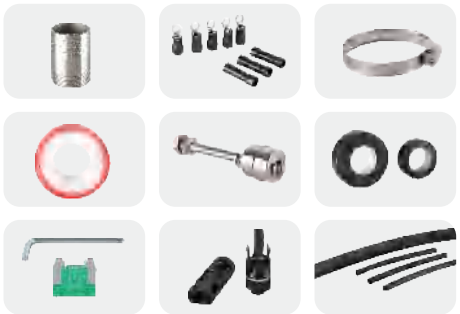
ADVANCED TECHNOLOGY

- Running Speed Control
- Short-Circuit Protection
- MPPT
- Dry Running Protection (Stop)
- Soft Starting Protection
- Reverse Voltage Protection
- Low-voltage / Over-voltage Protection
- Over Current Protection



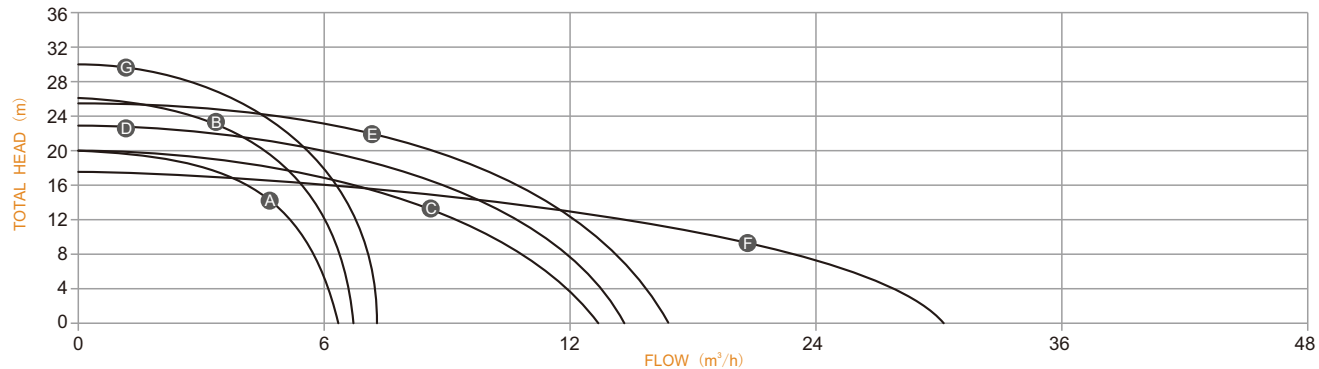


FREE SPARE PARTS



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PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	SSQD6.5-20-72-550	72V	72-120V	550W	6.5m³/h	20m	2"	2m	<150V	≥1.3*PUMP POWER
B	SSQD7.0-26-96-750	96V	96-150V	750W	7.0m³/h	26m	2"	2m	<200V	≥1.3*PUMP POWER
C	SSQD13-20-72-550	72V	72-120V	550W	13m³/h	20m	2"	2m	<150V	≥1.3*PUMP POWER
D	SSQD14-23-96-750	96V	96-150V	750W	14m³/h	23m	2"	2m	<200V	≥1.3*PUMP POWER
E	SSQD16-25-150-1100	150V	150-200V	1100W	16m³/h	25m	2"	2m	<300V	≥1.3*PUMP POWER
F	SSQD17-30-180-1300	180V	180-250V	1300W	17m³/h	30m	2"	2m	<350V	≥1.3*PUMP POWER
G	SSQD30-8-96-750	96V	96-150V	750W	30m³/h	8m	3"	2m	<200V	≥1.3*PUMP POWER

Vodloon SOLAR

SSQD
Solar Submersible Pump Series







01
Outlet
2.0 inch,3.0 inch,4.0 inch,
Cast Iron

02
Inlet
Cast Iron





03
Bottom support
Cast Iron

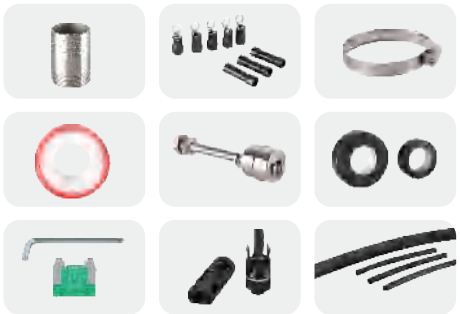
ADVANCED TECHNOLOGY

- Running Speed Control
- Short-Circuit Protection
- MPPT
- Dry Running Protection (Stop)
- Soft Starting Protection
- Reverse Voltage Protection
- Low-voltage / Over-voltage Protection
- Over Current Protection



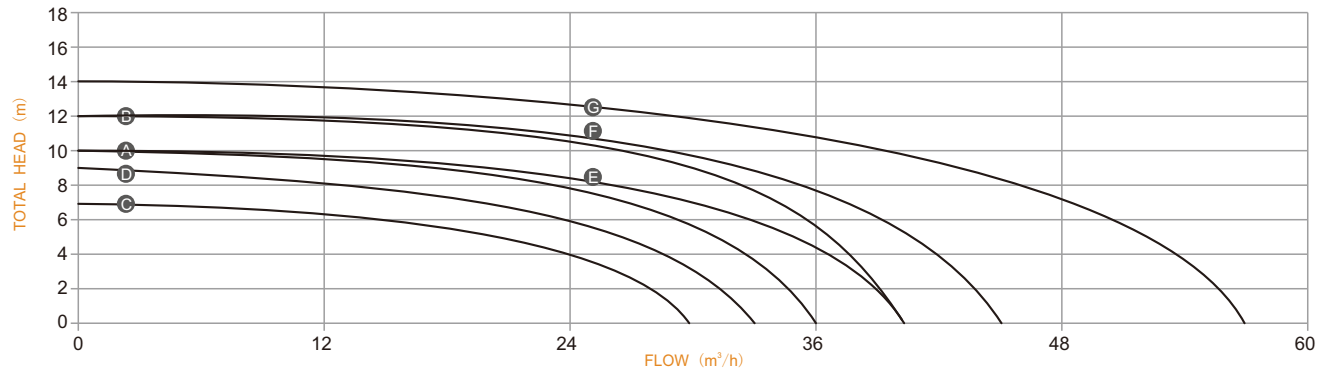


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
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PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	SSQD36-10-150-1100	150V	150-200V	1100W	36m³/h	10m	3"	2m	<300V	≥1.3*PUMP POWER
B	SSQD40-12-180-1300	180V	180-250V	1300W	40m³/h	12m	3"	2m	<350V	≥1.3*PUMP POWER
C	SSQD30-7-96-750	96V	96-150V	750W	30m³/h	7m	3"	2m	<200V	≥1.3*PUMP POWER
D	SSQD33-9-150-1100	150V	150-200V	1100W	33m³/h	9m	3"	2m	<300V	≥1.3*PUMP POWER
E	SSQD40-10-180-1300	180V	180-250V	1300W	40m³/h	10m	4"	2m	<350V	≥1.3*PUMP POWER
F	SSQD45-12-200-1500	200V	200-300V	1500W	45m³/h	12m	4"	2m	<400V	≥1.3*PUMP POWER
G	SSQD56-14-300-2200	300V	300-400V	2200W	56m³/h	14m	4"	2m	<400V	≥1.3*PUMP POWER

Vodloon SOLAR

SSQB
Solar Surface Pump Series





ADVANCED TECHNOLOGY



Running Speed Control | Short-Circuit Protection | MPPT | Dry Running Protection | Soft Starting Protection | Reverse Voltage Protection | Low-voltage / Over-voltage Protection | Over Current Protection



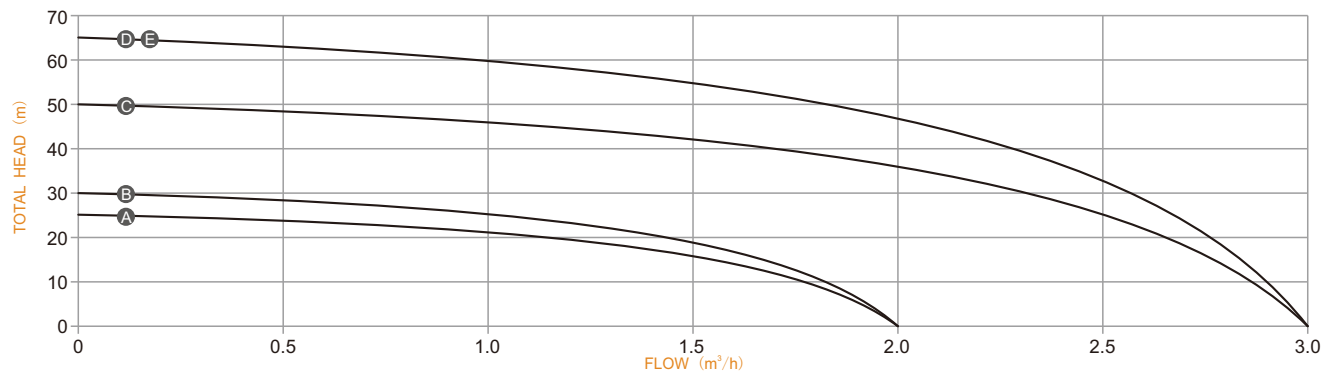


FREE SPARE PARTS



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PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	SSQB2-25-24-210	24V	30V-48V	210W	2m³/h	25m	1×1"	2m	<50V	≥1.3*PUMP POWER
B	SSQB2-30-24-280	24V	30V-48V	280W	2m³/h	30m	1×1"	2m	<50V	≥1.3*PUMP POWER
C	SSQB3-50-48-550	48V	60-90V (72-120V)	550W	3m³/h	50m	1×1"	2m	<100V	≥1.3*PUMP POWER
D	SSQB3-65-72(96)-750	72(96)V	90-120V (110-150V)	750W	3m³/h	65m	1×1"	2m	<150(200)V	≥1.3*PUMP POWER

Vodloon SOLAR

SSSP
Solar Surface Pump Series





ADVANCED TECHNOLOGY

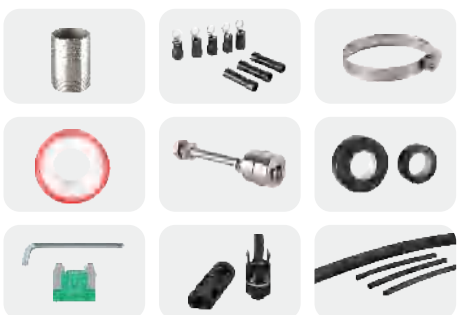


Running Speed Control | Short-Circuit Protection | MPPT | Dry Running Protection | Soft Starting Protection | Reverse Voltage Protection | Low-voltage / Over-voltage Protection | Over Current Protection



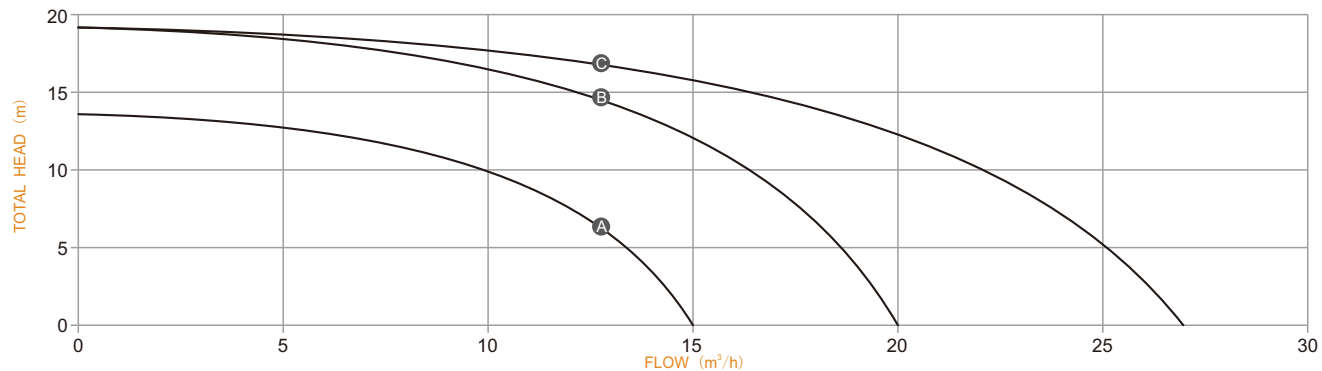


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
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PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	SSSP15-14-48(72)-500	48(72)V	60-90V (72-120V)	500W	15m³/h	14m	2×2"	2m	<100V	≥1.3*PUMP POWER
B	SSSP20-19-110(150)-900	110(150)V	110-150V (150-200V)	900W	20m³/h	19m	2×2"	2m	<200V	≥1.3*PUMP POWER
C	SSSP27-19-110(150)-1200	110(150)V	110-150V (150-200V)	1200W	27m³/h	19m	3×3"	2m	<200V	≥1.3*PUMP POWER

Vodloon SOLAR

SSHF
Solar Surface Pump Series







WITH FRAME

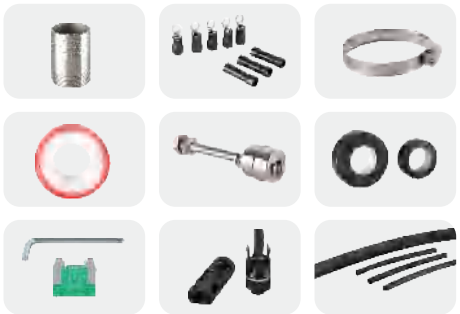
ADVANCED TECHNOLOGY

- Running Speed Control
- Short-Circuit Protection
- MPPT
- Dry Running Protection (Stop)
- Soft Starting Protection
- Reverse Voltage Protection
- Low-voltage / Over-voltage Protection
- Over Current Protection



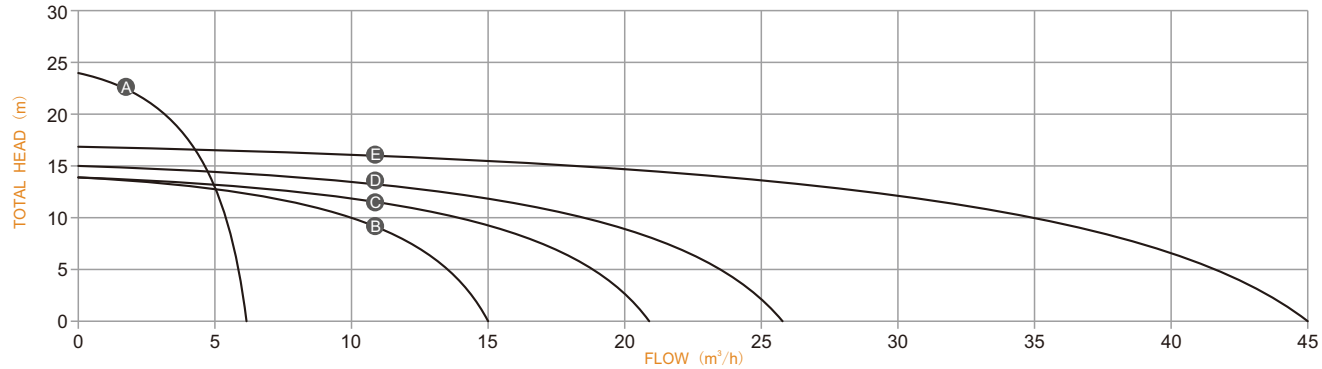


FREE SPARE PARTS



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PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	SSHF6-24-48-550	48(72)V	60-90V (72-120V)	550W	6m³/h	24m	1×1"	1m	<100V	≥1.3*PUMP POWER
B	SSHF15-14-48-550	48(72)V	60-90V (72-120V)	550W	15m³/h	14m	1.5×1.5"	1m	<100V	≥1.3*PUMP POWER
C	SSHF21-14-72(96)-750	72(96)V	90-120V (110-150V)	750W	21m³/h	14m	2×2"	1m	<150V	≥1.3*PUMP POWER
D	SSHF26-15-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	26m³/h	15m	2×2"	1m	<200V	≥1.3*PUMP POWER
E	SSHF45-17-110(200)-1500	110(150)V	110-150V (200-300V)	1500W	45m³/h	17m	3×3"	1m	<200V	≥1.3*PUMP POWER

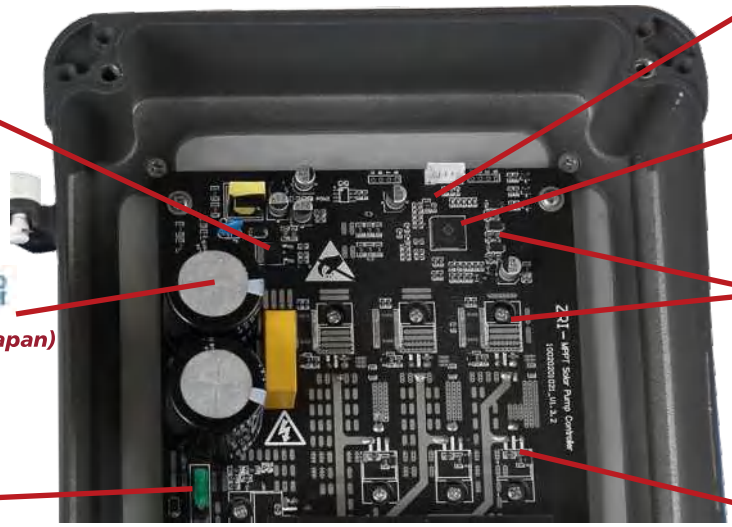
Vodloon
SOLAR



ZSCO DC

MPPT CONTROLLER

DC MPPT CONTROLLER



ONSEMI (USA)
Regulated Power Supply

CapXon (Taiwan) / NCC (Japan)
Electrolytic capacitor

Littelfuse (USA) Fuse

TI (USA) Driver chip

Active-Semi (USA) / SILAN MCU

Infineon(USA) IC Driver

Infineon(USA) MOSFET
Magna(Korea) MOSFET

SAMSUNG (Korea) Chip Resistor

Sine Wave Motor Driving Mode

with Disturbance Observation Method MPPT Tracking, more water come out at the same ondition than other brand products.

Military Hardware Standard

ZRI controller select the best brand of components, which ensures the quality and reliability of products.

Running Speed Control
Short-Circuit Protection
MPPT
Dry Running Protection
Soft Starting Protection
Reverse Voltage Protection
Low-voltage / Over-voltage Protection
Over Current Protection

SOLAR WATER PUMPS

130+

Global Reach:
Exported & operating successfully in over 130 countries.

300, 000+

Proven Reliability:
300,000+ solar pumps installed worldwide.

2 years

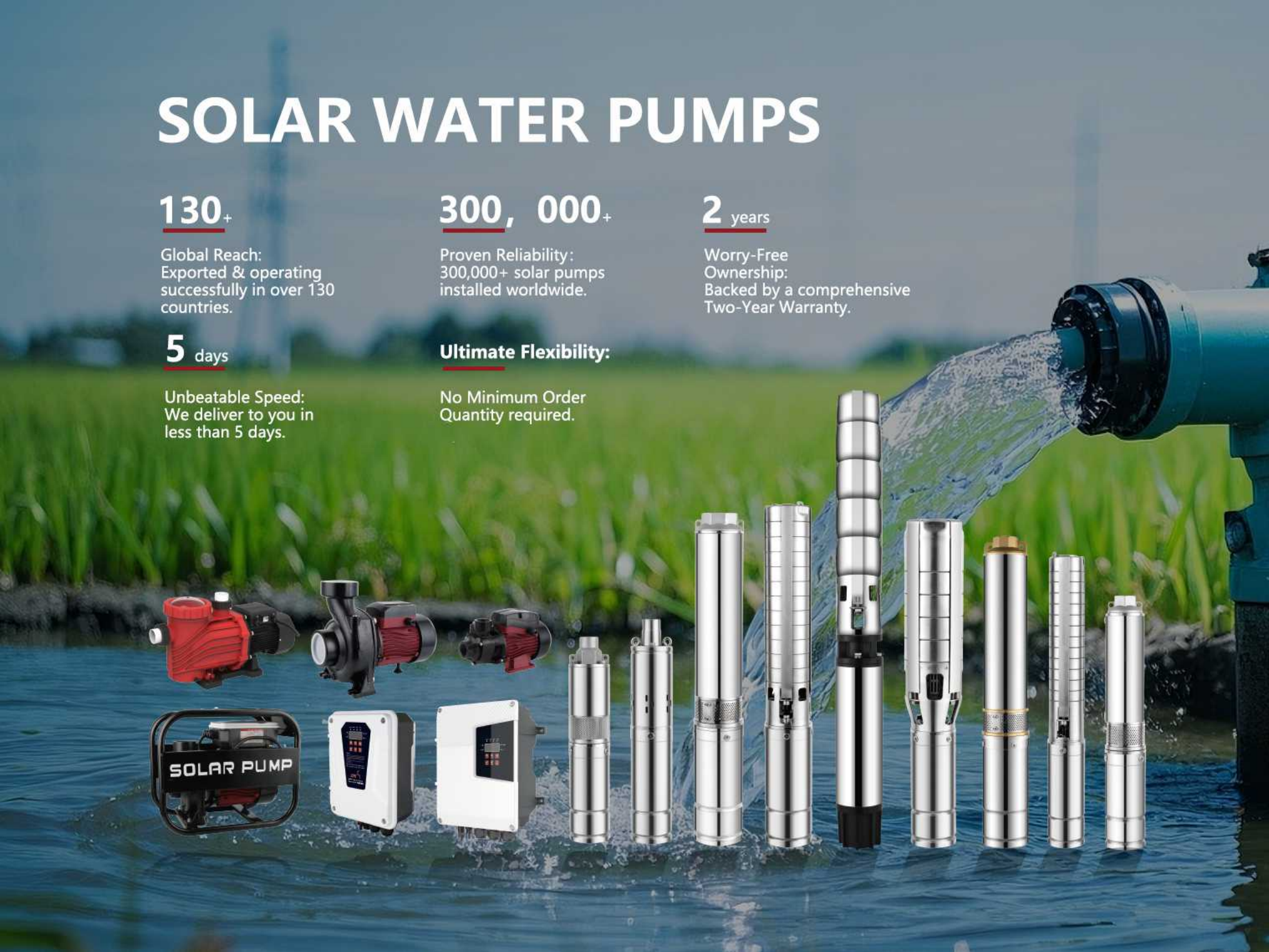
Worry-Free Ownership:
Backed by a comprehensive Two-Year Warranty.

5 days

Unbeatable Speed:
We deliver to you in less than 5 days.

Ultimate Flexibility:

No Minimum Order Quantity required.



Vodloon
SOLAR

APPLICATION



For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

ZSCO -ADHY AC/DC

SWITCHING MPPT CONTROLLER
SOLAR PUMP SERIES

www.vodloon.com



Vodloon SOLAR





ZSCO - ADHY AC/DC

SWITCHING MPPT CONTROLLER



Z3PC-A/DHY
AC/DC Hybrid Solar Pump Series





01
Outlet
1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS



02
Inlet
Stainless Steel
AISI 304SS/316SS



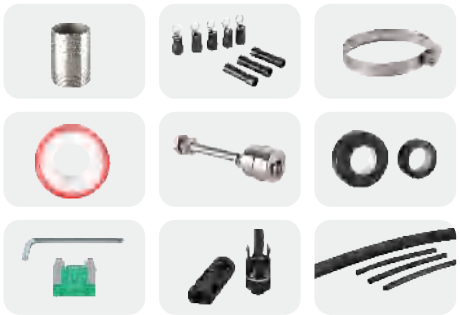
03
Bottom support
Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

- Running Speed Control
- Short-Circuit Protection
- MPPT
- Dry Running Protection
- Soft Starting Protection
- Reverse Voltage Protection
- Low-voltage / Over-voltage Protection
- Over Current Protection

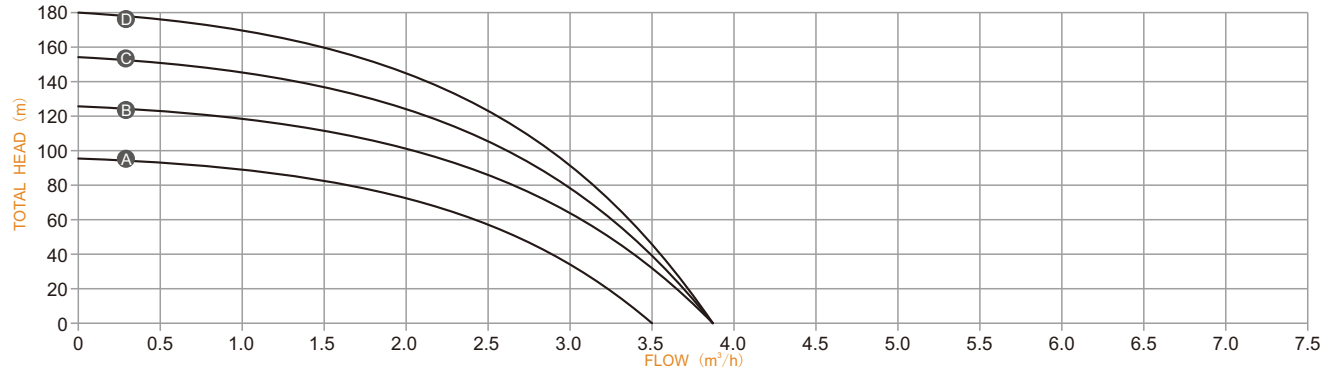


FREE SPARE PARTS



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PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z3PC3.5-95-110-750-A/D	80-280V AC	80-400V DC	750W	3.5m³/h	95m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z3PC3.8-123-150-1100-A/D	80-280V AC	80-400V DC	1100W	3.8m³/h	123m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z3PC3.8-155-150-1300-A/D	80-280V AC	80-400V DC	1300W	3.8m³/h	155m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z3PC3.8-180-200-1500-A/D	80-280V AC	80-400V DC	1500W	3.8m³/h	180m	1.25"	2m	<420V	≥1.3*PUMP POWER



Z3PC-A/DHY
AC/DC Hybrid Solar Pump Series





01
Outlet
1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS



02
Inlet
Stainless Steel
AISI 304SS/316SS



03
Bottom support
Stainless Steel
AISI 304SS/316SS

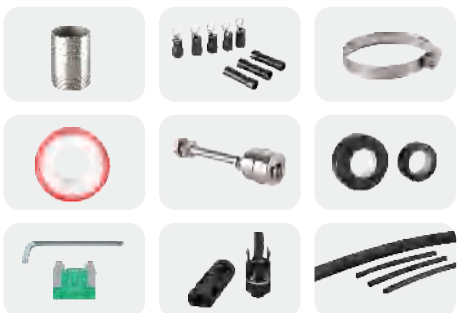
ADVANCED TECHNOLOGY





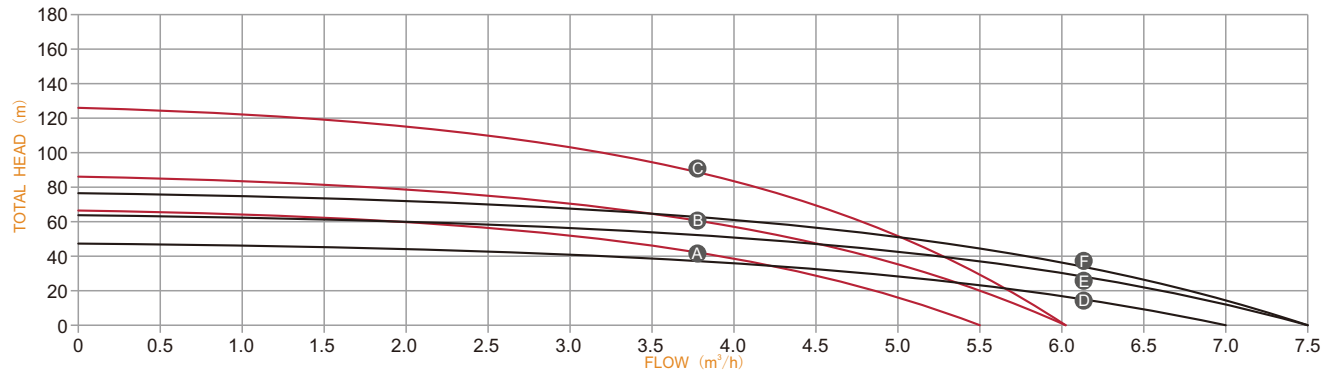


FREE SPARE PARTS



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No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z3PC5.5-65-110-750-A/D	80-280V AC	80-400V DC	750W	5.5m³/h	65m	1.5"	2m	<420V	≥1.3*PUMP POWER
B	Z3PC6-84-150-1100-A/D	80-280V AC	80-400V DC	1100W	6m³/h	84m	1.5"	2m	<420V	≥1.3*PUMP POWER
C	Z3PC6-125-200-1500-A/D	80-280V AC	80-400V DC	1500W	6m³/h	125m	1.5"	2m	<420V	≥1.3*PUMP POWER
D	Z3PC7-46-110-750-A/D	80-280V AC	80-400V DC	750W	7m³/h	46m	1.5"	2m	<420V	≥1.3*PUMP POWER
E	Z3PC7.5-62-150-1100-A/D	80-280V AC	80-400V DC	1100W	7.5m³/h	62m	1.5"	2m	<420V	≥1.3*PUMP POWER
F	Z3PC7.5-78-200-1500-A/D	80-280V AC	80-400V DC	1500W	7.5m³/h	78m	1.5"	2m	<420V	≥1.3*PUMP POWER



Z4PC-A/DHY

AC/DC Hybrid Solar Pump Series





01

Outlet

1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS





03

Bottom support

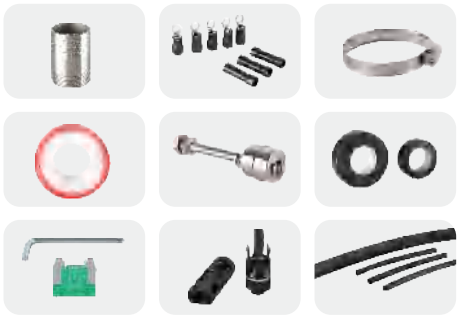
Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

- Running Speed Control
- Short-Circuit Protection
- MPPT
- Dry Running Protection (Stop)
- Soft Starting Protection
- Reverse Voltage Protection
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- Over Current Protection

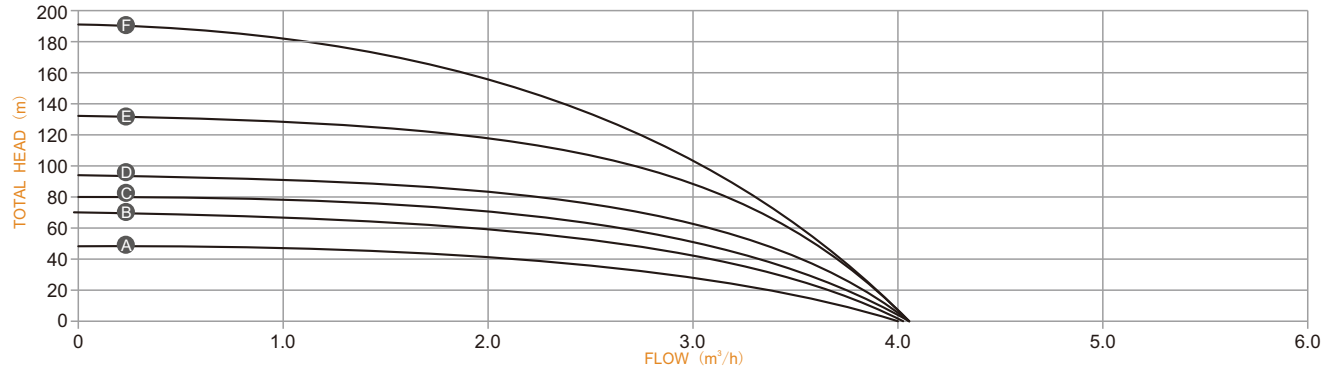


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Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4PC4-50-72-600-A/D	80-280V AC	80-400V DC	600W	4m³/h	50m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z4PC4-70-96-750-A/D	80-280V AC	80-400V DC	750W	4m³/h	70m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z4PC4-80-120-900-A/D	80-280V AC	80-400V DC	900W	4m³/h	80m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z4PC4-95-150-1100-A/D	80-280V AC	80-400V DC	1100W	4m³/h	95m	1.25"	2m	<420V	≥1.3*PUMP POWER
E	Z4PC4-130-200-1500-A/D	80-280V AC	80-400V DC	1500W	4m³/h	130m	1.25"	2m	<420V	≥1.3*PUMP POWER
F	Z4PC4-190-300-2200-A/D	80-280V AC	80-400V DC	2200W	4m³/h	190m	1.25"	2m	<420V	≥1.3*PUMP POWER

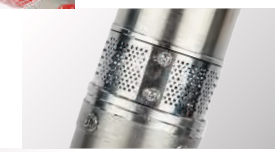


Z4PC-A/DHY
AC/DC Hybrid Solar Pump Series





01
Outlet
1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS



02
Inlet
Stainless Steel
AISI 304SS/316SS



03
Bottom support
Stainless Steel
AISI 304SS/316SS

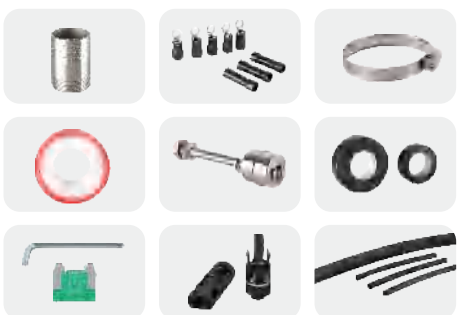
ADVANCED TECHNOLOGY



Running Speed Control | Short-Circuit Protection | MPPT | Dry Running Protection | Soft Starting Protection | Reverse Voltage Protection | Low-voltage / Over-voltage Protection | Over Current Protection

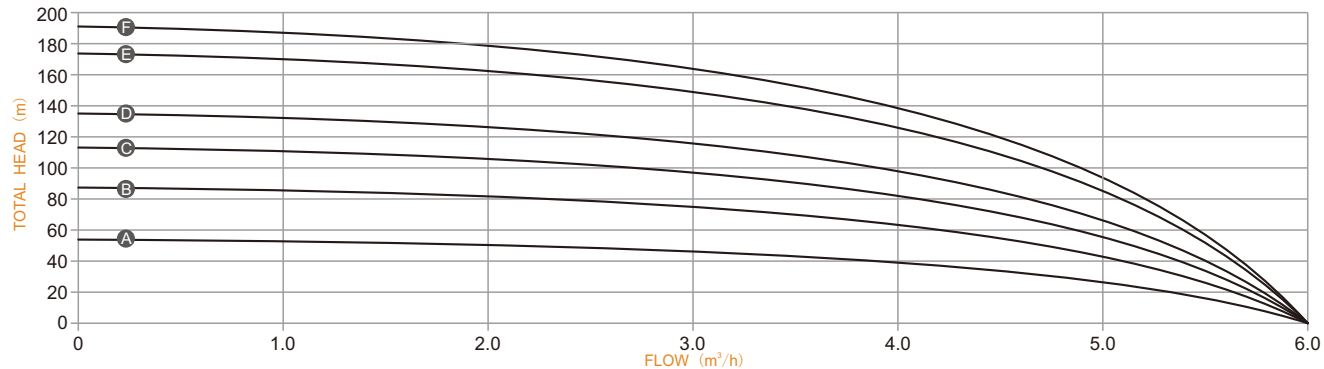


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4PC6-56-110-750-A/D	80-280V AC	80-400V DC	750W	6m³/h	56m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z4PC6-84-150-1100-A/D	80-280V AC	80-400V DC	1100W	6m³/h	84m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z4PC6-112-150-1300-A/D	80-280V AC	80-400V DC	1300W	6m³/h	112m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z4PC6-135-200-1500-A/D	80-280V AC	80-400V DC	1500W	6m³/h	135m	1.25"	2m	<420V	≥1.3*PUMP POWER
E	Z4PC6-175-300-2200-A/D	80-280V AC	80-400V DC	2200W	6m³/h	175m	1.25"	2m	<420V	≥1.3*PUMP POWER
F	Z4PC6-192-300-2500-A/D	80-280V AC	80-400V DC	2500W	6m³/h	192m	1.25"	2m	<420V	≥1.3*PUMP POWER



Z4PC-A/DHY

AC/DC Hybrid Solar Pump Series





01
Outlet
1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02
Inlet
Stainless Steel
AISI 304SS/316SS





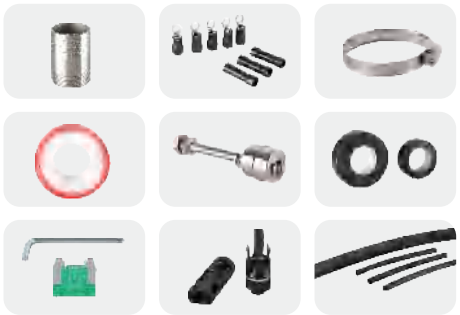
03
Bottom support
Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

- Running Speed Control
- Short-Circuit Protection
- MPPT
- Dry Running Protection (Stop)
- Soft Starting Protection
- Reverse Voltage Protection
- Low-voltage / Over-voltage Protection
- Over Current Protection

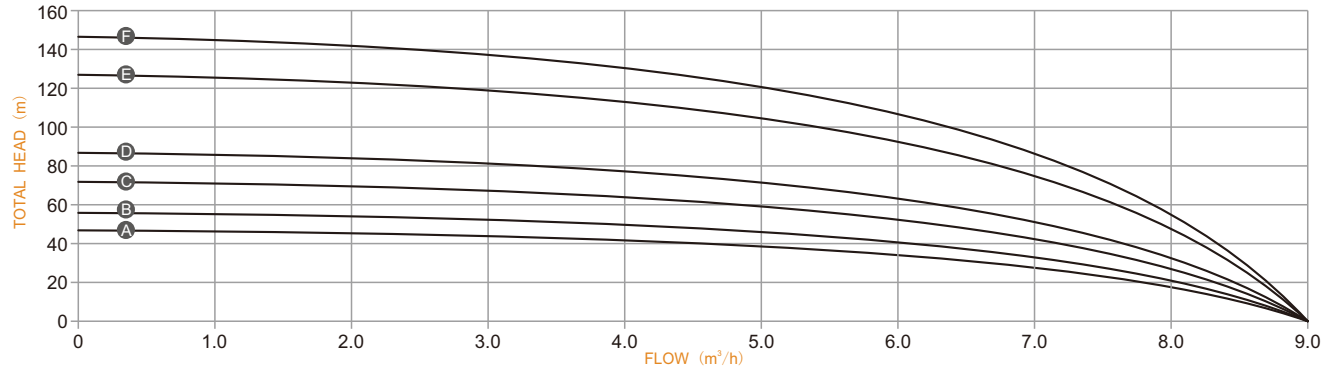


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4PC9-45-110-750-A/D	80-280V AC	80-400V DC	750W	9m³/h	45m	2"	2m	<420V	≥1.3*PUMP POWER
B	Z4PC9-58-150-1100-A/D	80-280V AC	80-400V DC	1100W	9m³/h	58m	2"	2m	<420V	≥1.3*PUMP POWER
C	Z4PC9-71-150-1300-A/D	80-280V AC	80-400V DC	1300W	9m³/h	71m	2"	2m	<420V	≥1.3*PUMP POWER
D	Z4PC9-85-200-1500-A/D	80-280V AC	80-400V DC	1500W	9m³/h	85m	2"	2m	<420V	≥1.3*PUMP POWER
E	Z4PC9-125-300-2200-A/D	80-280V AC	80-400V DC	2200W	9m³/h	125m	2"	2m	<420V	≥1.3*PUMP POWER
F	Z4PC9-148-300-2500-A/D	80-280V AC	80-400V DC	2500W	9m³/h	148m	2"	2m	<420V	≥1.3*PUMP POWER



Z4PC-A/DHY

AC/DC Hybrid Solar Pump Series





01

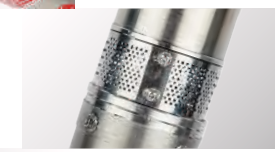
Outlet

1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS





03

Bottom support

Stainless Steel
AISI 304SS/316SS

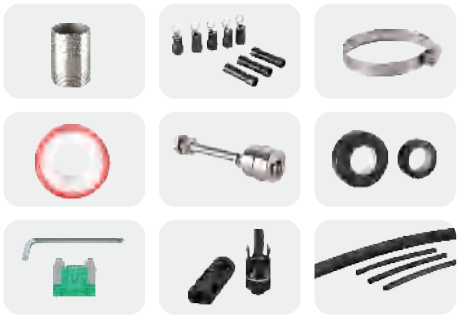
ADVANCED TECHNOLOGY



Running Speed Control | Short-Circuit Protection | MPPT | Dry Running Protection | Soft Starting Protection | Reverse Voltage Protection | Low-voltage / Over-voltage Protection | Over Current Protection

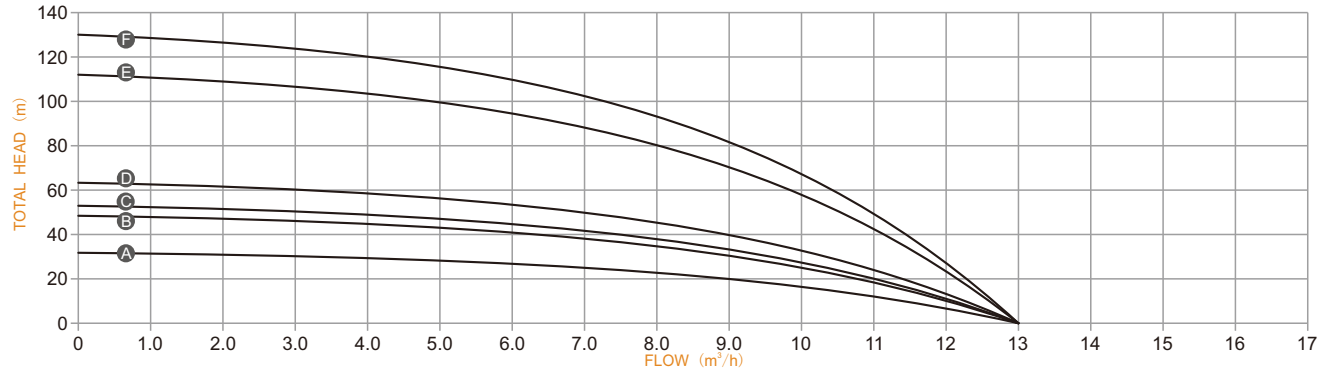


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4PC13-42-110-750-A/D	80-280V AC	80-400V DC	750W	13m³/h	42m	2"	2m	<420V	≥1.3*PUMP POWER
B	Z4PC13-50-150-1100-A/D	80-280V AC	80-400V DC	1100W	13m³/h	50m	2"	2m	<420V	≥1.3*PUMP POWER
C	Z4PC13-58-150-1300-A/D	80-280V AC	80-400V DC	1300W	13m³/h	58m	2"	2m	<420V	≥1.3*PUMP POWER
D	Z4PC13-63-200-1500-A/D	80-280V AC	80-400V DC	1500W	13m³/h	63m	2"	2m	<420V	≥1.3*PUMP POWER
E	Z4PC13-110-300-2200-A/D	80-280V AC	80-400V DC	2200W	13m³/h	110m	2"	2m	<420V	≥1.3*PUMP POWER
F	Z4PC13-130-300-2500-A/D	80-280V AC	80-400V DC	2500W	13m³/h	130m	2"	2m	<420V	≥1.3*PUMP POWER



Z4PC-A/DHY

AC/DC Hybrid Solar Pump Series





01

Outlet

1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS





03

Bottom support

Stainless Steel
AISI 304SS/316SS

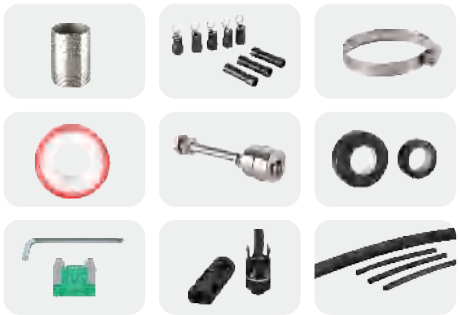
ADVANCED TECHNOLOGY



Running Speed Control | Short-Circuit Protection | MPPT | Dry Running Protection | Soft Starting Protection | Reverse Voltage Protection | Low-voltage / Over-voltage Protection | Over Current Protection

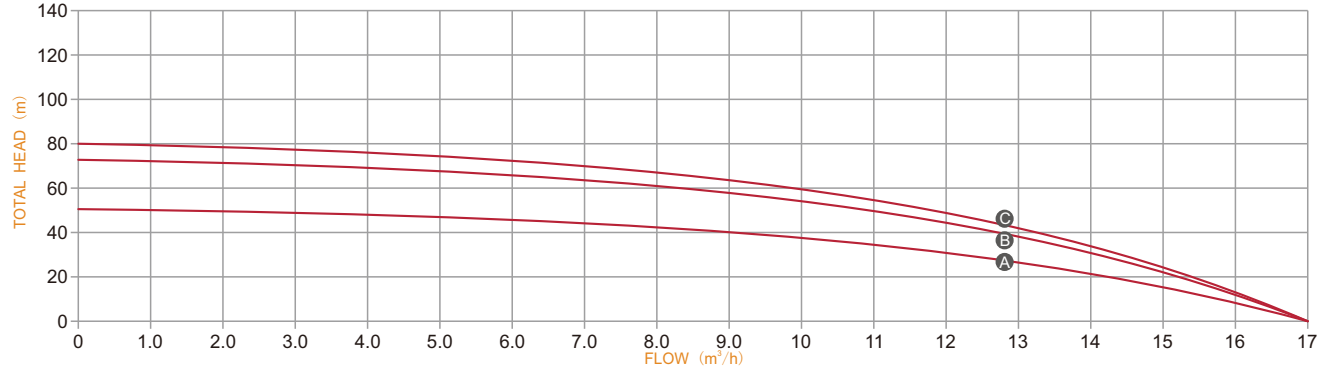


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4PC17-48-200-1500-A/D	80-280V AC	80-400V DC	1500W	17m³/h	48m	2"	2m	<420V	≥1.3*PUMP POWER
B	Z4PC17-72-300-2200-A/D	80-280V AC	80-400V DC	2200W	17m³/h	72m	2"	2m	<420V	≥1.3*PUMP POWER
C	Z4PC17-80-300-2500-A/D	80-280V AC	80-400V DC	2500W	17m³/h	80m	2"	2m	<420V	≥1.3*PUMP POWER
D	Z4PC20-45-200-1500-A/D	80-280V AC	80-400V DC	1500W	20m³/h	45m	2"	2m	<420V	≥1.3*PUMP POWER
E	Z4PC22-70-300-2200-A/D	80-280V AC	80-400V DC	2200W	22m³/h	70m	2"	2m	<420V	≥1.3*PUMP POWER
F	Z4PC30-60-300-2500-A/D	80-280V AC	80-400V DC	2500W	30m³/h	60m	2"	2m	<420V	≥1.3*PUMP POWER



Z3SC-A/DHY

AC/DC Hybrid Solar Pump Series





01
Outlet
1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02
Inlet
Stainless Steel
AISI 304SS/316SS





03
Bottom support
Stainless Steel
AISI 304SS/316SS

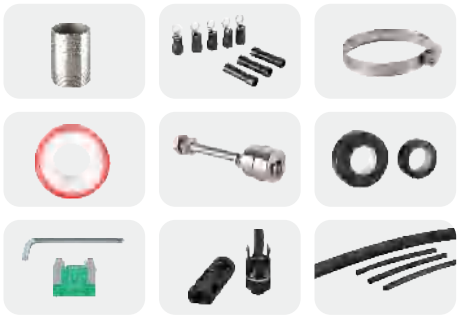
ADVANCED TECHNOLOGY



Running Speed Control | Short-Circuit Protection | MPPT | Dry Running Protection | Soft Starting Protection | Reverse Voltage Protection | Low-voltage / Over-voltage Protection | Over Current Protection

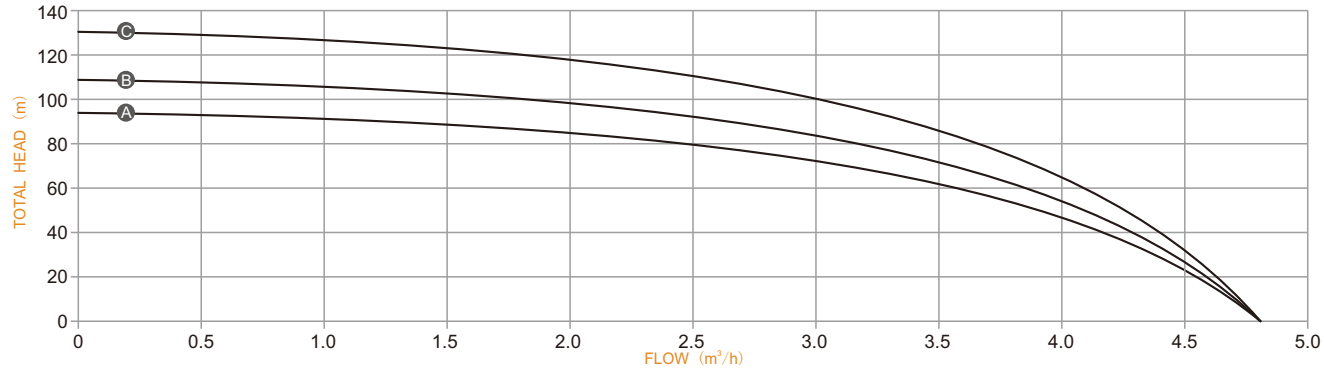


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z3SC4.8-95-110-750-A/D	80-280V AC	80-400V DC	750W	4.8m³/h	95m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z3SC4.8-110-150-1100-A/D	80-280V AC	80-400V DC	1100W	4.8m³/h	110m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z3SC4.8-130-200-1500-A/D	80-280V AC	80-400V DC	1500W	4.8m³/h	130m	1.25"	2m	<420V	≥1.3*PUMP POWER



Z4SC-A/DHY

AC/DC Hybrid Solar Pump Series





01
Outlet
1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02
Inlet
Stainless Steel
AISI 304SS/316SS





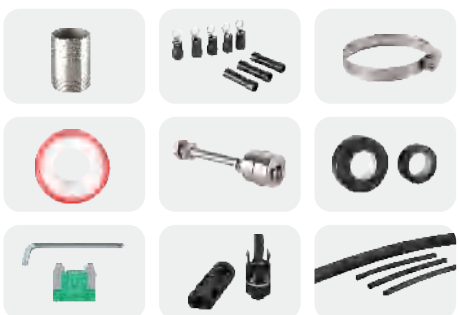
03
Bottom support
Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY



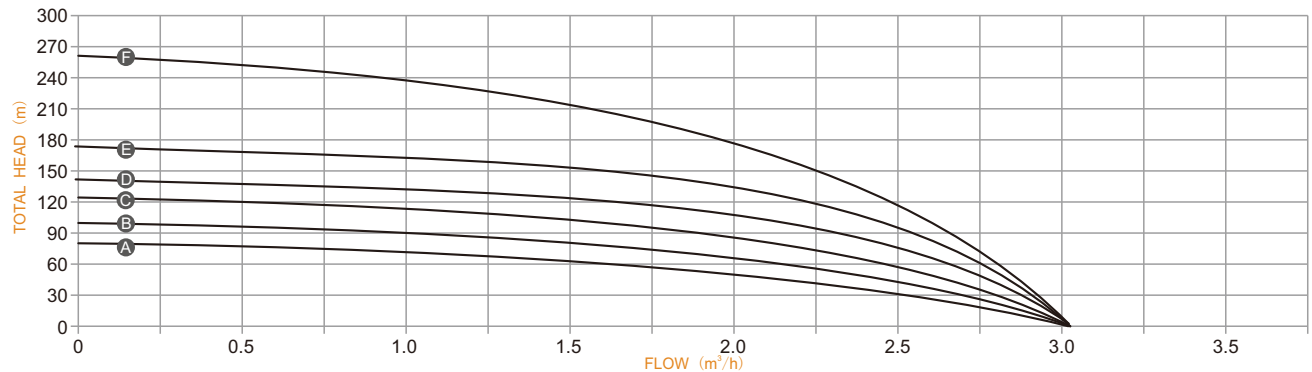


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4SC3.0-80-110-750-A/D	80-280V AC	80-400V DC	750W	3.0m³/h	80m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z4SC3.0-100-150-1100-A/D	80-280V AC	80-400V DC	1100W	3.0m³/h	100m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z4SC3.0-125-200-1300-A/D	80-280V AC	80-400V DC	1300W	3.0m³/h	125m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z4SC3.0-140-200-1500-A/D	80-280V AC	80-400V DC	1500W	3.0m³/h	140m	1.25"	2m	<420V	≥1.3*PUMP POWER
E	Z4SC3.0-170-300-2200-A/D	80-280V AC	80-400V DC	2200W	3.0m³/h	170m	1.25"	2m	<420V	≥1.3*PUMP POWER
F	Z4SC3.0-260-300-2500-A/D	80-280V AC	80-400V DC	2500W	3.0m³/h	260m	1.25"	2m	<420V	≥1.3*PUMP POWER



Z4SC-A/DHY

AC/DC Hybrid Solar Pump Series





01
Outlet
1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02
Inlet
Stainless Steel
AISI 304SS/316SS





03
Bottom support
Stainless Steel
AISI 304SS/316SS

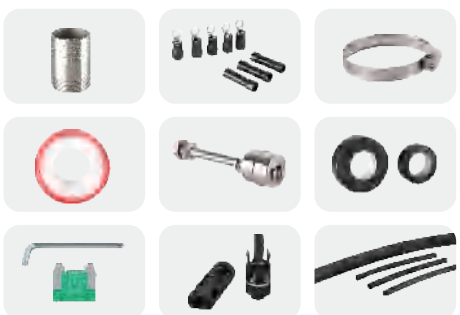
ADVANCED TECHNOLOGY



Running Speed Control | Short-Circuit Protection | MPPT | Dry Running Protection | Soft Starting Protection | Reverse Voltage Protection | Low-voltage / Over-voltage Protection | Over Current Protection

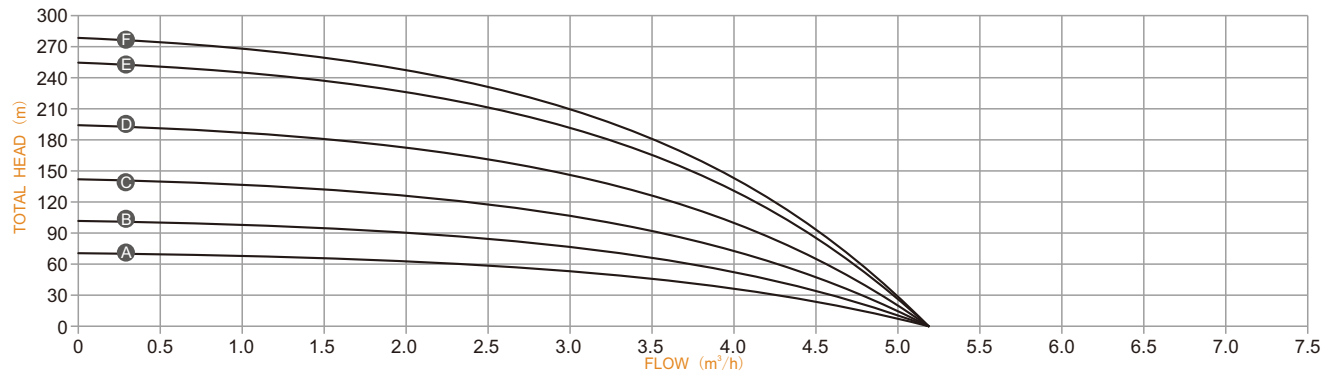


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4SC5.2-67-110-750-A/D	80-280V AC	80-400V DC	750W	5.2m³/h	67m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z4SC5.2-101-150-1100-A/D	80-280V AC	80-400V DC	1100W	5.2m³/h	101m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z4SC5.2-146-200-1300-A/D	80-280V AC	80-400V DC	1300W	5.2m³/h	146m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z4SC5.2-198-200-1500-A/D	80-280V AC	80-400V DC	1500W	5.2m³/h	198m	1.25"	2m	<420V	≥1.3*PUMP POWER
E	Z4SC5.2-255-300-2200-A/D	80-280V AC	80-400V DC	2200W	5.2m³/h	255m	1.25"	2m	<420V	≥1.3*PUMP POWER
F	Z4SC5.2-275-300-2500-A/D	80-280V AC	80-400V DC	2500W	5.2m³/h	275m	1.25"	2m	<420V	≥1.3*PUMP POWER

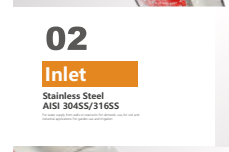


Z4SC-A/DHY
AC/DC Hybrid Solar Pump Series





01
Outlet
1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS



02
Inlet
Stainless Steel
AISI 304SS/316SS





03
Bottom support
Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY





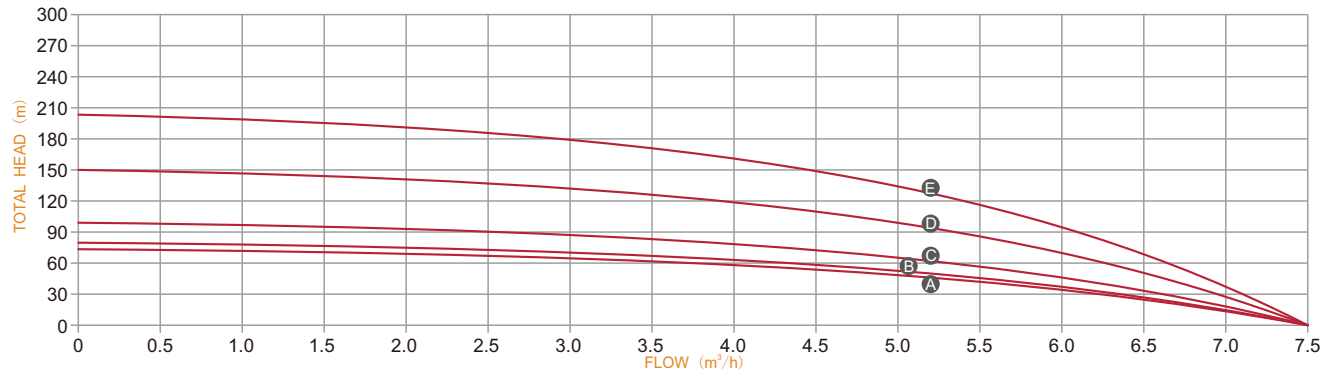


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4SC7.5-68-150-1100-A/D	80-280V AC	80-400V DC	1100W	7.5m³/h	68m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z4SC7.5-80-150-1300-A/D	80-280V AC	80-400V DC	1300W	7.5m³/h	80m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z4SC7.5-100-200-1500-A/D	80-280V AC	80-400V DC	1500W	7.5m³/h	100m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z4SC7.5-150-300-2200-A/D	80-280V AC	80-400V DC	2200W	7.5m³/h	150m	1.25"	2m	<420V	≥1.3*PUMP POWER
E	Z4SC7.5-205-300-2500-A/D	80-280V AC	80-400V DC	2500W	7.5m³/h	205m	1.25"	2m	<420V	≥1.3*PUMP POWER



Z4SC-A/DHY
AC/DC Hybrid Solar Pump Series





01
Outlet
1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS



02
Inlet
Stainless Steel
AISI 304SS/316SS





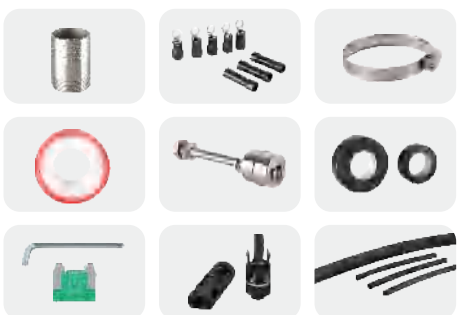
03
Bottom support
Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY



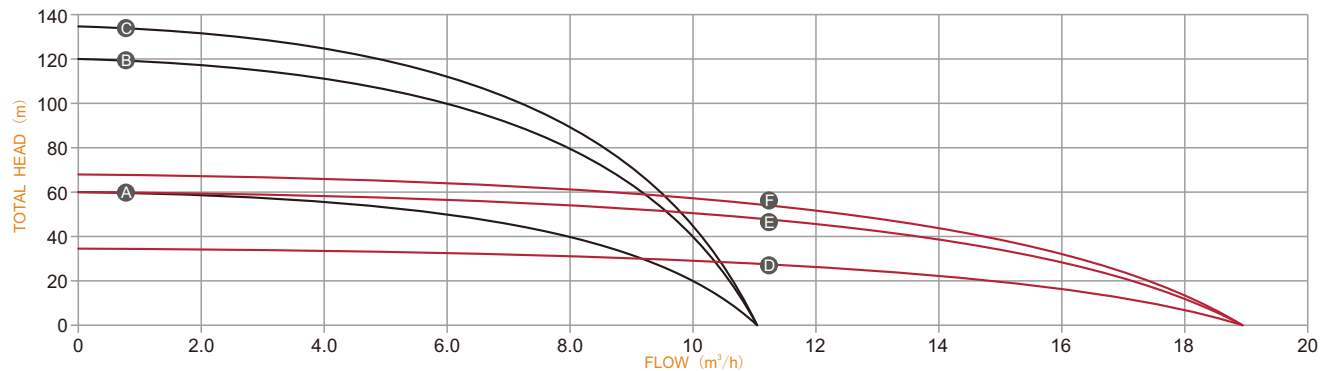


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4SC11-60-200-1500-A/D	80-280V AC	80-400V DC	1500W	11m³/h	60m	2"	2m	<420V	≥1.3*PUMP POWER
B	Z4SC11-120-300-2200-A/D	80-280V AC	80-400V DC	2200W	11m³/h	120m	2"	2m	<420V	≥1.3*PUMP POWER
C	Z4SC11-136-300-2500-A/D	80-280V AC	80-400V DC	2500W	11m³/h	136m	2"	2m	<420V	≥1.3*PUMP POWER
D	Z4SC19-35-200-1500-A/D	80-280V AC	80-400V DC	1500W	19m³/h	35m	2"	2m	<420V	≥1.3*PUMP POWER
E	Z4SC19-60-300-2200-A/D	80-280V AC	80-400V DC	2200W	19m³/h	60m	2"	2m	<420V	≥1.3*PUMP POWER
F	Z4SC19-68-300-2500-A/D	80-280V AC	80-400V DC	2500W	19m³/h	68m	2"	2m	<420V	≥1.3*PUMP POWER



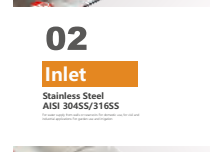
Z4/6SC-A/DHY

AC/DC Hybrid Solar Pump Series





01
Outlet
3.0 inch,
Stainless Steel AISI 304SS/316SS



02
Inlet
Stainless Steel
AISI 304SS/316SS





03
Bottom support
Stainless Steel
AISI 304SS/316SS

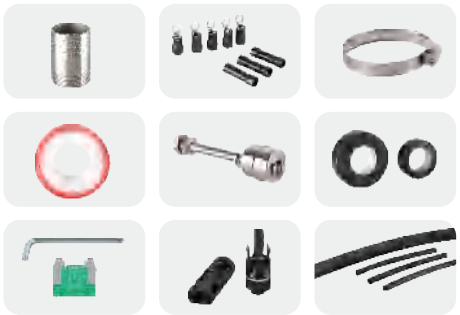
ADVANCED TECHNOLOGY





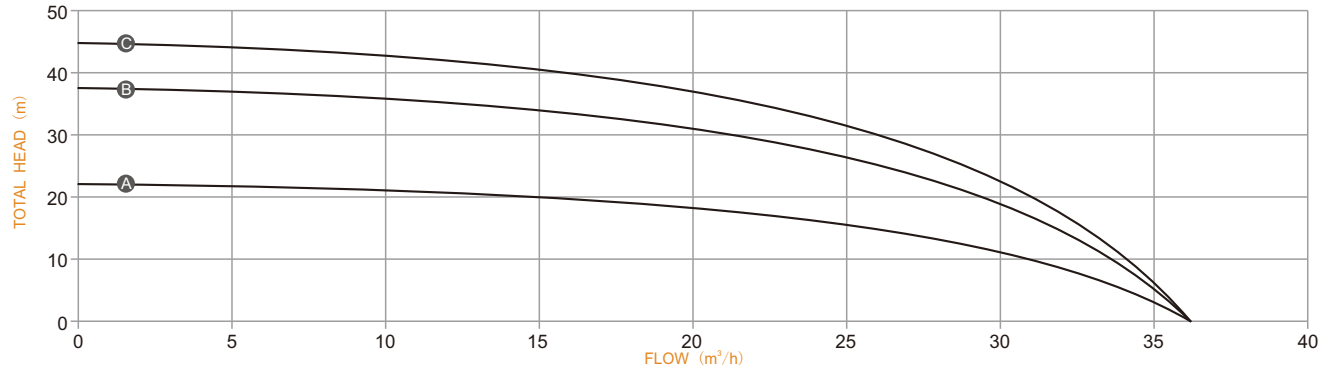


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4/6SC36-22-200-1500-A/D	80-280V AC	80-400V DC	1500W	36m³/h	22m	3"	2m	<420V	≥1.3*PUMP POWER
B	Z4/6SC36-38-300-2200-A/D	80-280V AC	80-400V DC	2200W	36m³/h	38m	3"	2m	<420V	≥1.3*PUMP POWER
C	Z4/6SC36-45-300-2500-A/D	80-280V AC	80-400V DC	2500W	36m³/h	45m	3"	2m	<420V	≥1.3*PUMP POWER



ZSHF-A/DHY
AC/DC Hybrid Solar Pump Series



ADVANCED TECHNOLOGY

- Running Speed Control
- Short-Circuit Protection
- MPPT
- Dry Running Protection
- Soft Starting Protection
- Reverse Voltage Protection
- Low-voltage / Over-voltage Protection
- Over Current Protection



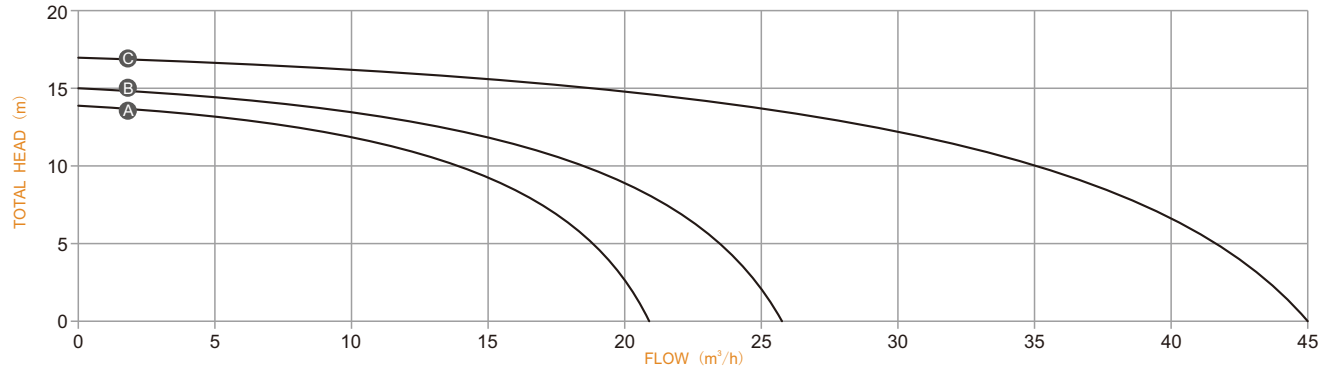


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
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Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	ZSHF21-14-110-750-A/D	80-280V AC	80-400V DC	750W	21m³/h	14m	2×2"	1m	<420V	≥1.3*PUMP POWER
B	ZSHF26-15-150-1100-A/D	80-280V AC	80-400V DC	1100W	26m³/h	15m	2×2"	1m	<420V	≥1.3*PUMP POWER
C	ZSHF45-17-200-1500-A/D	80-280V AC	80-400V DC	1500W	45m³/h	17m	3×3"	1m	<420V	≥1.3*PUMP POWER
D	ZSHF60-16-300-2200-A/D	80-280V AC	80-400V DC	2200W	60m³/h	16m	4×4"	1m	<420V	≥1.3*PUMP POWER

Vodloon SOLAR



SURFACE PUMP

WITH FRAME



ZSSP-A/DHY
AC/DC Hybrid Solar Pump Series



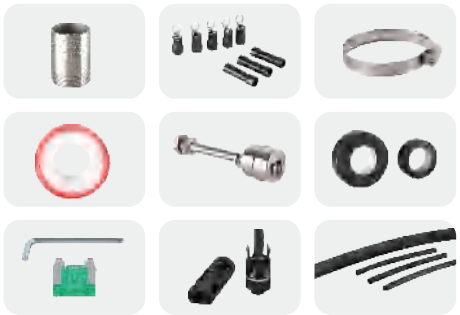
ADVANCED TECHNOLOGY

- Running Speed Control
- Short-Circuit Protection
- MPPT
- Dry Running Protection
- Soft Starting Protection
- Reverse Voltage Protection
- Low-voltage / Over-voltage Protection
- Over Current Protection



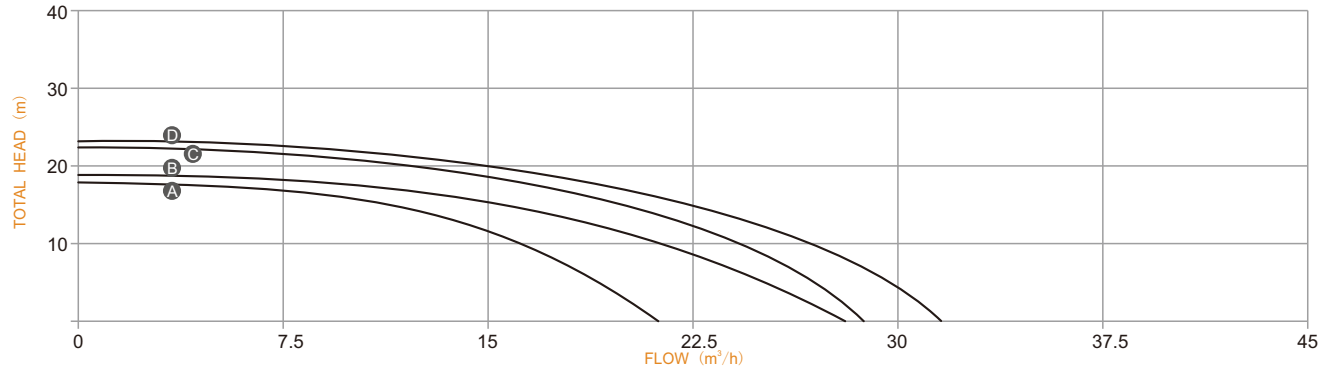


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
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Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	ZSSP20-19-110-900-A/D	80-280V AC	80-400V DC	900W	20m³/h	19m	2×2"	2m	<420V	≥1.3*PUMP POWER
B	ZSSP27-19-150-1200-A/D	80-280V AC	80-400V DC	1200W	27m³/h	19m	2×2"	2m	<420V	≥1.3*PUMP POWER
C	ZSSP28-22-200-1500-A/D	80-280V AC	80-400V DC	1500W	28m³/h	22m	3×3"	2m	<420V	≥1.3*PUMP POWER
D	ZSSP35-22-300-2200-A/D	80-280V AC	80-400V DC	2200W	35m³/h	22m	3×3"	2m	<420V	≥1.3*PUMP POWER

Vodloon
SOLAR

APPLICATION



For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

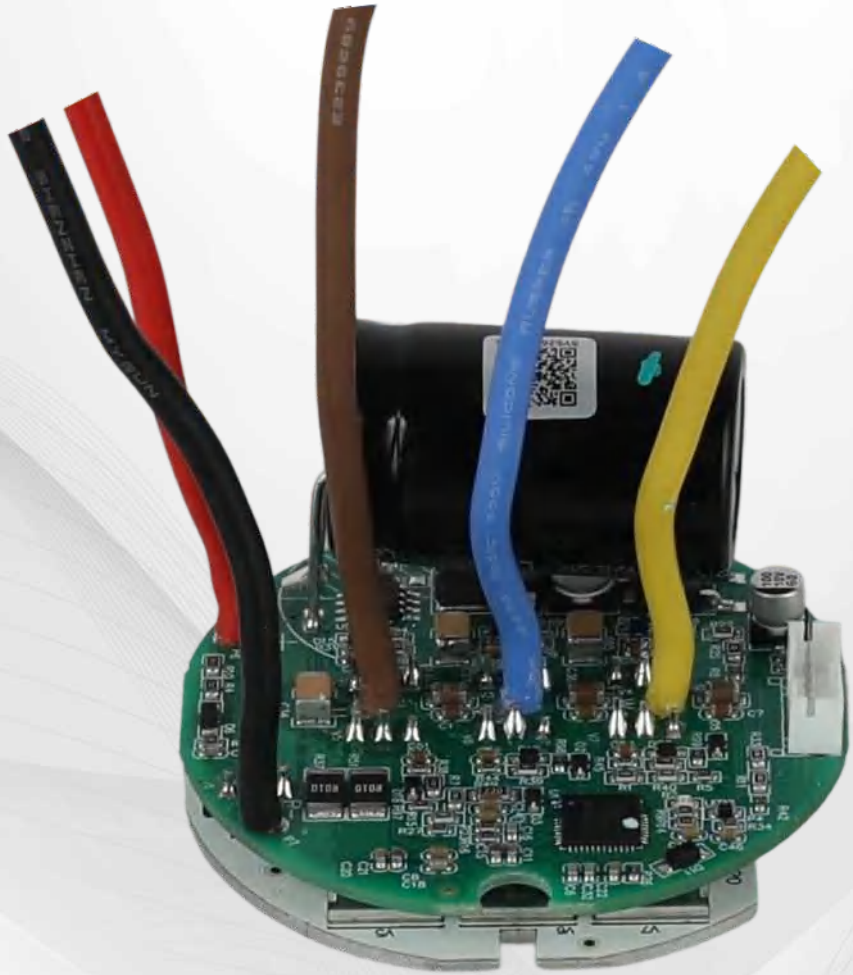
INTD DC

BUILT-IN CONTROLLER SOLAR PUMP SERIES

www.vodloon.com



Vodloon
SOLAR



INTD DC BUILT-IN

MPPT CONTROLLER

Vodloon SOLAR

APPLICATION

GARDENING | IRRIGATION | WASHING | SHALLOW WELL | HIGHLIFT 30–140 m | HOME SWIMMING POOL

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation





INTD CONTROLLER PERFORMANCE DATA

Item		INTD_ISSL24	INTD_ISSL48	INTD_ISSL72	INTD_ISSL96	INTD_ISSL11	INTD_ISSL15	INTD_ISSL20	INTD_ISSL30
Rated Voltage		24V DC	48V DC	72V DC	96V DC	110V DC	150V DC	200 VDC	300 VDC
Rated Current		15A	15A	15A	15A	15A	12A	12A	12A
Biggest open voltage(VOC)		80V DC	150V DC	200V DC	200V DC	250V DC	300V DC	350V DC	400V DC
Max Power		600W	900W	1300W	1600W	1800W	1600W	1800W	2500W
Voltage	Under Voltage	18.0±0.2VDC	30.0±0.2VDC	50.0±0.2VDC	60.0±0.2VDC	70.0±0.2VDC	120.0±0.2VDC	160.0±0.2VDC	220.0±0.2VDC
	Best Working Voltage	30±0.2VDC	60±0.2VDC	90±0.2VDC	110±0.2VDC	120±0.2VDC	150±0.2VDC	200±0.2VDC	300±0.2VDC
Current	Overload	20A	20A	20A	20A	20A	15A	15A	15A
	Over current	25A	25A	25A	25A	25A	20A	20A	20A

I3SS Built-in Controller

Solar Submersible Pump Series







01

Outlet

0.75 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS





03

Bottom support

Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

- Running Speed Control
- Short-Circuit Protection
- MPPT
- Dry Running Protection (Stop)
- Soft Starting Protection
- Reverse Voltage Protection
- Low-voltage / Over-voltage Protection
- Over Current Protection

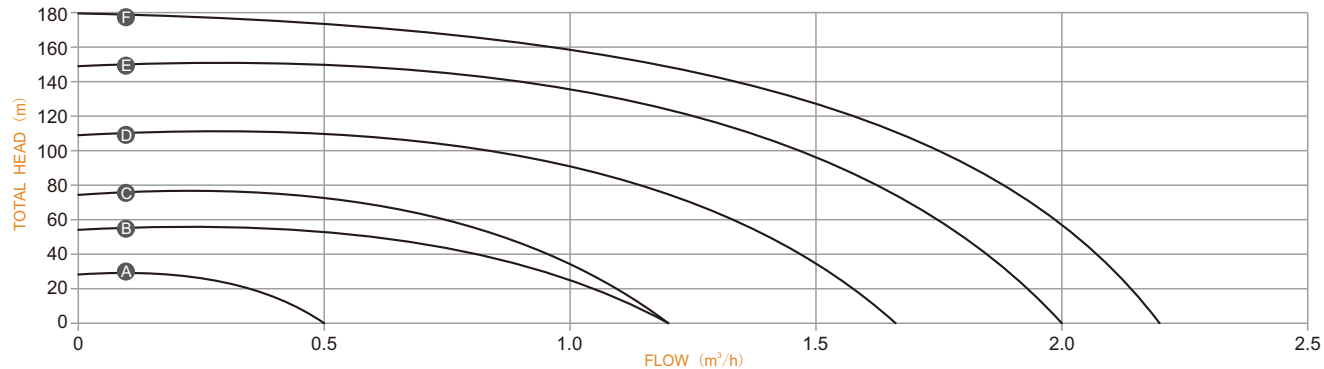


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well dry running protection

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	I3SS0.5-28-12-80	12V	20-36V	80W	0.5m³/h	28m	0.75"	2m	<50V	≥1.3*PUMP POWER
B	I3SS1.2-56-24-120	24V	30-48V	120W	1.2m³/h	56m	0.75"	2m	<50V	≥1.3*PUMP POWER
C	I3SS1.2-77-36-210	36V	30-48V	210W	1.2m³/h	77m	0.75"	2m	<50V	≥1.3*PUMP POWER
D	I3SS1.7-109-48(72)-500	48(72)V	60-90V (72-120V)	500W	1.7m³/h	109m	0.75"	2m	<100(150)V	≥1.3*PUMP POWER
E	I3SS2.0-150-72(96)-750	72(96)V	90-120V (110-150V)	750W	2.0m³/h	150m	0.75"	2m	<150(200)V	≥1.3*PUMP POWER
F	I3SS2.2-180-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	2.2m³/h	180m	0.75"	2m	<200(300)V	≥1.3*PUMP POWER

I4SS Built-in Controller

Solar Submersible Pump Series







01

Outlet

1.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS





03

Bottom support

Stainless Steel
AISI 304SS/316SS

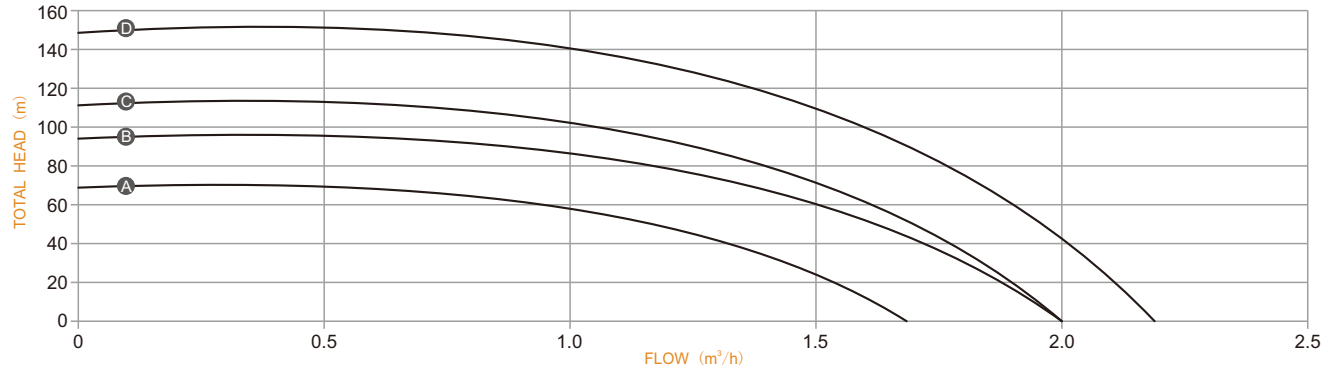
ADVANCED TECHNOLOGY



Running Speed Control | Short-Circuit Protection | MPPT | Dry Running Protection | Soft Starting Protection | Reverse Voltage Protection | Low-voltage / Over-voltage Protection | Over Current Protection



PERFORMANCE CURVES AND DATA



FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well dry running protection

No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	I4SS1.7-70-48(72)-500	48(72)V	60-90V (72-120V)	500W	1.7m³/h	70m	1"	2m	<100(150)V	≥1.3*PUMP POWER
B	I4SS2.0-95-72(96)-750	72(96)V	90-120V (110-150V)	750W	2.0m³/h	95m	1"	2m	<150(200)V	≥1.3*PUMP POWER
C	I4SS2.0-110-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	2.0m³/h	110m	1"	2m	<200(300)V	≥1.3*PUMP POWER
D	I4SS2.2-150-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	2.2m³/h	150m	1"	2m	<200(350)V	≥1.3*PUMP POWER

I3PC Built-in Controller

Solar Submersible Pump Series







01

Outlet

1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS



02

Inlet

Stainless Steel
AISI 304SS/316SS



03

Bottom support

Stainless Steel
AISI 304SS/316SS

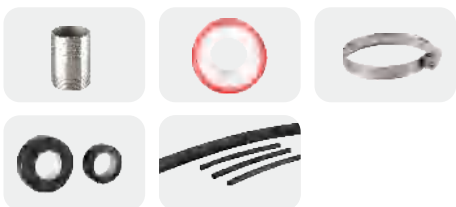
ADVANCED TECHNOLOGY



Running Speed Control | Short-Circuit Protection | MPPT | Dry Running Protection | Soft Starting Protection | Reverse Voltage Protection | Low-voltage / Over-voltage Protection | Over Current Protection

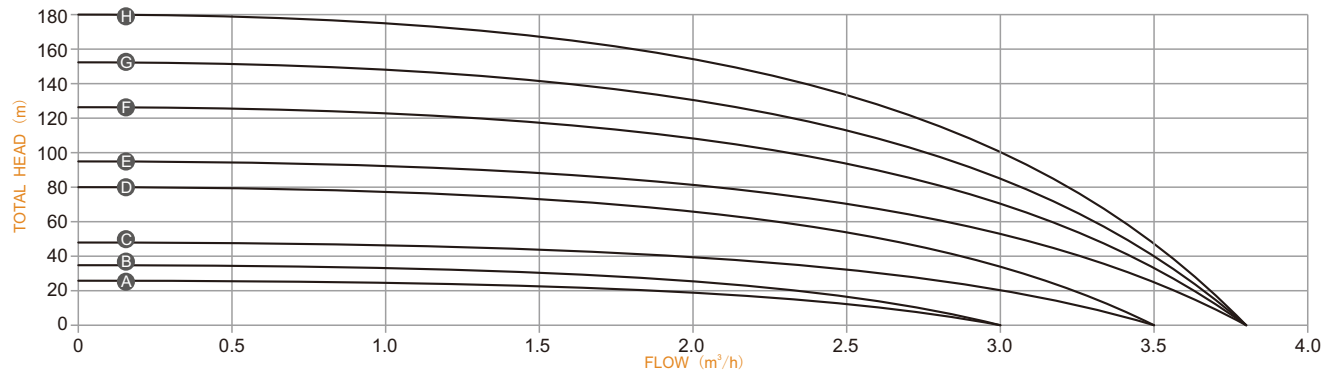


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well dry running protection

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	I3PC3-25-24-200	24V	30-48V	200W	3.0m³/h	25m	1.25"	2m	<50V	≥1.3*PUMP POWER
B	I3PC3-35-24-300	24V	30-48V	300W	3.0m³/h	35m	1.25"	2m	<50V	≥1.3*PUMP POWER
C	I3PC3.5-47-48-400	48V	60-90V	400W	3.5m³/h	47m	1.25"	2m	<100V	≥1.3*PUMP POWER
D	I3PC3.5-80-48(72)-600	48(72)V	60-90V (72-120V)	600W	3.5m³/h	80m	1.25"	2m	<100(150)V	≥1.3*PUMP POWER
E	I3PC3.5-95-72(96)-750	72(96)V	90-120V (110-150V)	750W	3.5m³/h	95m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
F	I3PC3.8-123-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	3.8m³/h	123m	1.25"	2m	<200(300)V	≥1.3*PUMP POWER
G	I3PC3.8-155-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	3.8m³/h	155m	1.25"	2m	<200(350)V	≥1.3*PUMP POWER
H	I3PC3.8-180-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	3.8m³/h	180m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER

Vodloon SOLAR

I3PC Built-in Controller

Solar Submersible Pump Series







01
Outlet
1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS



02
Inlet
Stainless Steel
AISI 304SS/316SS



03
Bottom support
Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

- Running Speed Control
- Short-Circuit Protection
- MPPT
- Dry Running Protection (Stop)
- Soft Starting Protection
- Reverse Voltage Protection
- Low-voltage / Over-voltage Protection
- Over Current Protection

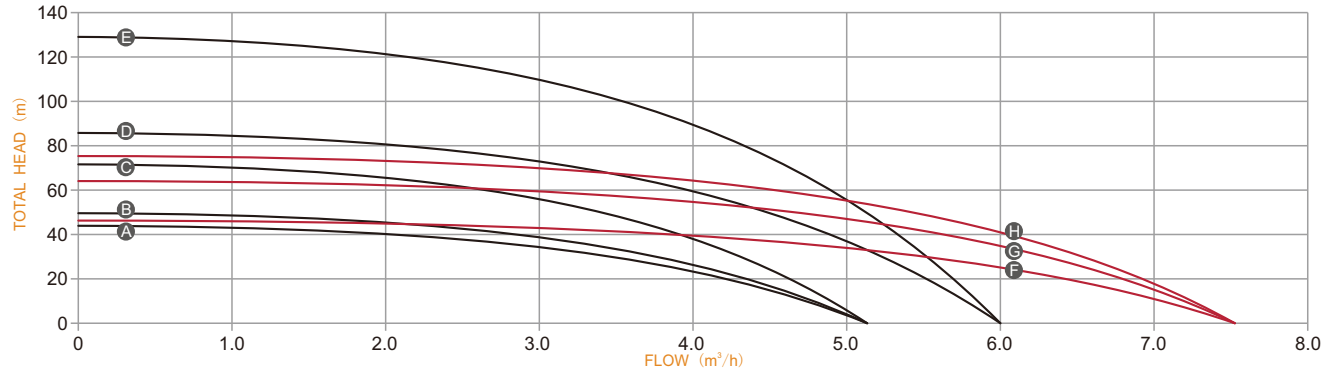


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well dry running protection

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	I3PC5.2-45-48(72)-500	48(72)V	60-90V (72-120V)	500W	5.2m³/h	45m	1.5"	2m	<100(150)V	≥1.3*PUMP POWER
B	I3PC5.2-50-48(72)-600	48(72)V	60-90V (72-120V)	600W	5.2m³/h	50m	1.5“	2m	<100(150)V	≥1.3*PUMP POWER
C	I3PC5.2-75-72(96)-750	72(96)V	90-120V (110-150V)	750W	5.2m³/h	75m	1.5"	2m	<150(200)V	≥1.3*PUMP POWER
D	I3PC6-84-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	6.0m³/h	84m	1.5"	2m	<200(300)V	≥1.3*PUMP POWER
E	I3PC6-125-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	6.0m³/h	125m	1.5"	2m	<200(400)V	≥1.3*PUMP POWER
F	I3PC7.5-43-72(96)-750	72(96)V	90-120V (110-150V)	750W	7.5m³/h	43m	1.5"	2m	<150(200)V	≥1.3*PUMP POWER
G	I3PC7.5-62-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	7.5m³/h	62m	1.5"	2m	<200(300)V	≥1.3*PUMP POWER
H	I3PC7.5-78-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	7.5m³/h	78m	1.5"	2m	<200(400)V	≥1.3*PUMP POWER

I4PC Built-in Controller

Solar Submersible Pump Series







01

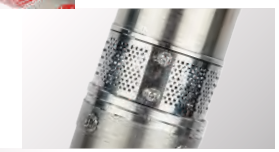
Outlet

1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS





03

Bottom support

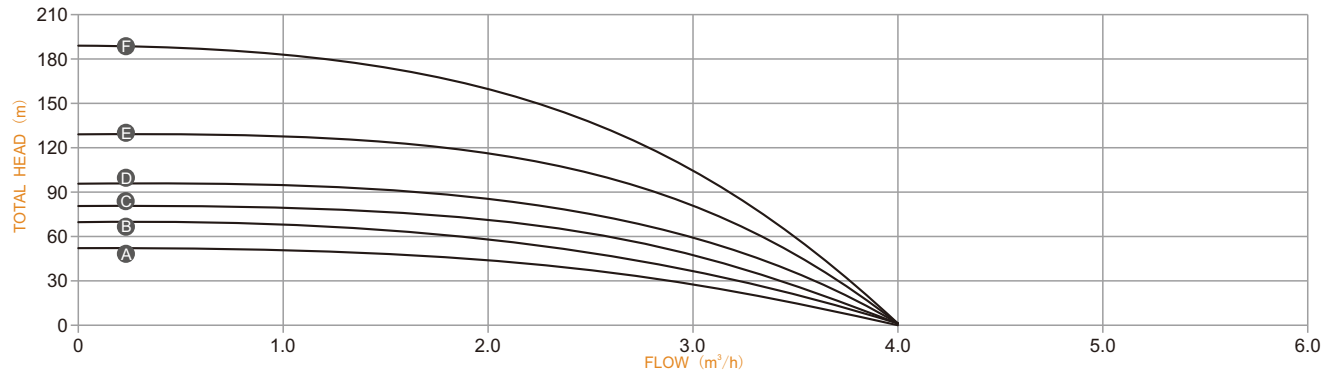
Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

- Running Speed Control
- Short-Circuit Protection
- MPPT
- Dry Running Protection (Stop)
- Soft Starting Protection
- Reverse Voltage Protection
- Low-voltage / Over-voltage Protection
- Over Current Protection



PERFORMANCE CURVES AND DATA



FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well dry running protection

No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	I4PC4-50-48(72)-600	48(72)V	60-90V (72-120V)	600W	4m³/h	50m	1.25"	2m	<100(150)V	≥1.3*PUMP POWER
B	I4PC4-70-72(96)-750	72(96)V	90-120V (110-150V)	750W	4m³/h	70m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
C	I4PC4-80-96(120)-900	96(120)V	110-150V (120-200V)	900W	4m³/h	80m	1.25"	2m	<200(300)V	≥1.3*PUMP POWER
D	I4PC4-95-110(150)-1100	110(150)V	110-180V (150-250V)	1100W	4m³/h	95m	1.25"	2m	<200(350)V	≥1.3*PUMP POWER
E	I4PC4-130-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	4m³/h	130m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER
F	I4PC4-190-300-2200	300V	300-420V	2200W	4m³/h	190m	1.25"	2m	<450V	≥1.3*PUMP POWER

Vodloon SOLAR

I4PC Built-in Controller

Solar Submersible Pump Series

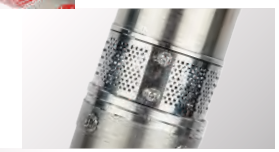






01
Outlet
1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02
Inlet
Stainless Steel
AISI 304SS/316SS





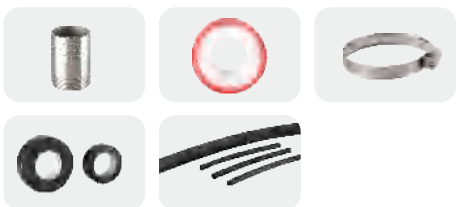
03
Bottom support
Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

- Running Speed Control
- Short-Circuit Protection
- MPPT
- Dry Running Protection (Stop)
- Soft Starting Protection
- Reverse Voltage Protection
- Low-voltage / Over-voltage Protection
- Over Current Protection

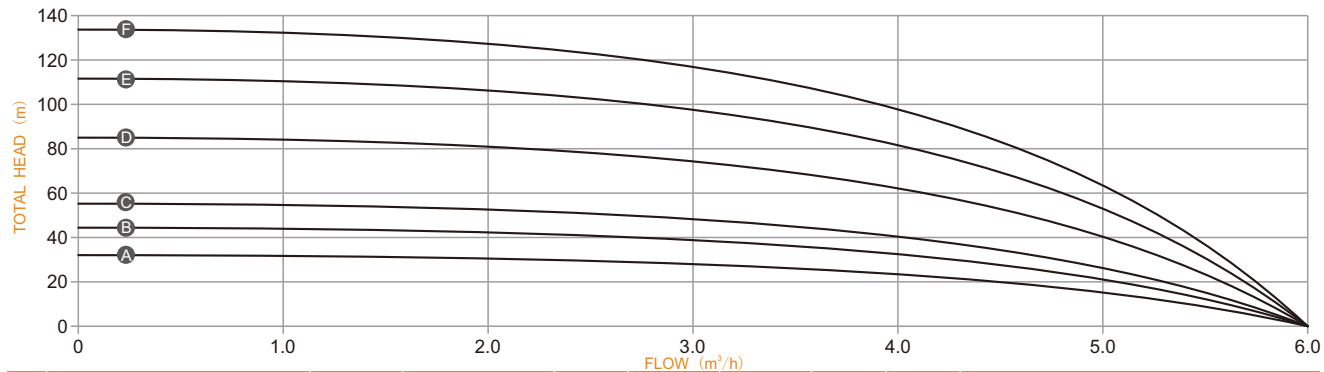


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well dry running protection

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	I4PC6-32-48-400	48V	60-90V	400W	6.0m³/h	32m	1.25"	2m	<100V	≥1.3*PUMP POWER
B	I4PC6-42-48(72)-600	48(72)V	60-90V (72-120V)	600W	6.0m³/h	42m	1.25"	2m	<100(150)V	≥1.3*PUMP POWER
C	I4PC6-56-72(96)-750	72(96)V	90-120V (110-150V)	750W	6.0m³/h	56m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
D	I4PC6-84-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	6.0m³/h	84m	1.25"	2m	<200(300)V	≥1.3*PUMP POWER
E	I4PC6-112-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	6.0m³/h	112m	1.25"	2m	<200(350)V	≥1.3*PUMP POWER
F	I4PC6-135-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	6.0m³/h	135m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER
G	I4PC6-175-300-2200	300V	300-420V	2200W	6.0m³/h	175m	1.25"	2m	<450V	≥1.3*PUMP POWER

I4PC Built-in Controller

Solar Submersible Pump Series







01

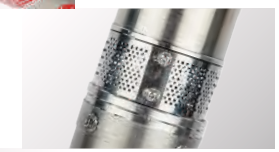
Outlet

1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS





03

Bottom support

Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

- Running Speed Control
- Short-Circuit Protection
- MPPT
- Dry Running Protection (Stop)
- Soft Starting Protection
- Reverse Voltage Protection
- Low-voltage / Over-voltage Protection
- Over Current Protection

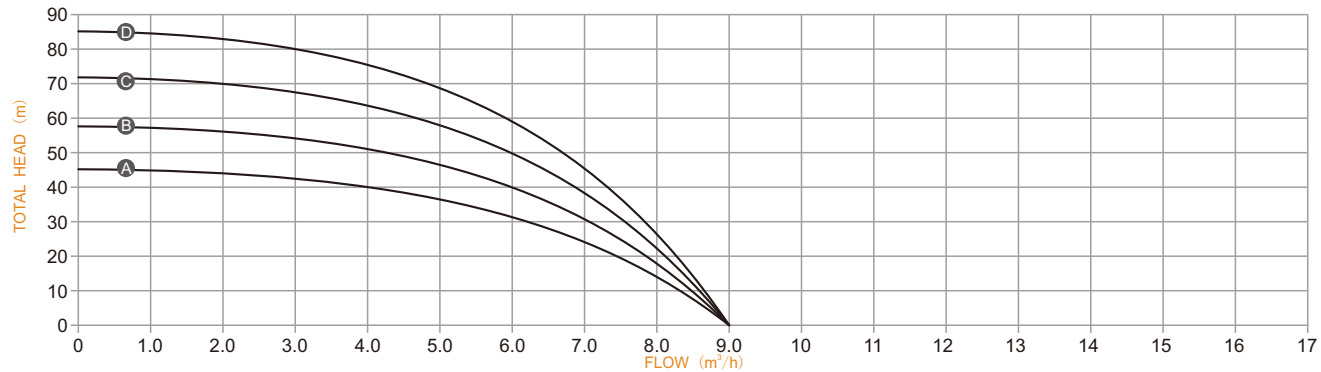


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well dry running protection

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	I4PC9-45-96-750	96V	110-150V	750W	9.0m³/h	45m	2"	2m	<200V	≥1.3*PUMP POWER
B	I4PC9-58-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	9.0m³/h	58m	2"	2m	<200(300)V	≥1.3*PUMP POWER
C	I4PC9-71-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	9.0m³/h	71m	2"	2m	<200(350)V	≥1.3*PUMP POWER
D	I4PC9-85-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	9.0m³/h	85m	2"	2m	<200(400)V	≥1.3*PUMP POWER
E	I4PC9-125-300-2200	300V	300-400V	2200W	9.0m³/h	125m	2"	2m	<450V	≥1.3*PUMP POWER

I4PC Built-in Controller

Solar Submersible Pump Series



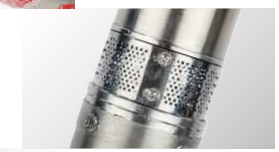




01

Outlet

1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS



02

Inlet

Stainless Steel
AISI 304SS/316SS



03

Bottom support

Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY



Running Speed Control | Short-Circuit Protection | MPPT | Dry Running Protection | Soft Starting Protection | Reverse Voltage Protection | Low-voltage / Over-voltage Protection | Over Current Protection

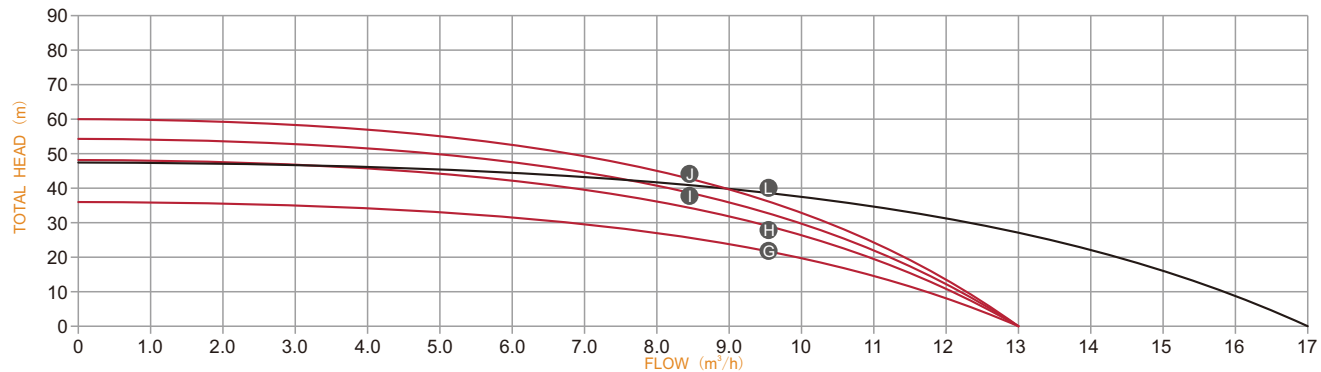


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well dry running protection

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
G	I4PC13-42-96-750	96V	110-150V	750W	13m³/h	42m	2"	2m	<200V	≥1.3*PUMP POWER
H	I4PC13-50-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	13m³/h	50m	2"	2m	<200(300)V	≥1.3*PUMP POWER
I	I4PC13-58-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	13m³/h	58m	2"	2m	<200(350)V	≥1.3*PUMP POWER
J	I4PC13-63-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	13m³/h	63m	2"	2m	<200(400)V	≥1.3*PUMP POWER
K	I4PC13-110-300-2200	300V	300-400V	2200W	13m³/h	110m	2"	2m	<450V	≥1.3*PUMP POWER
L	I4PC17-48-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	17m³/h	48m	2"	2m	<200(400)V	≥1.3*PUMP POWER

I3SC Built-in Controller

Solar Submersible Pump Series







01

Outlet

1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS



02

Inlet

Stainless Steel
AISI 304SS/316SS





03

Bottom support

Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY



Running Speed Control | Short-Circuit Protection | MPPT | Dry Running Protection | Soft Starting Protection | Reverse Voltage Protection | Low-voltage / Over-voltage Protection | Over Current Protection

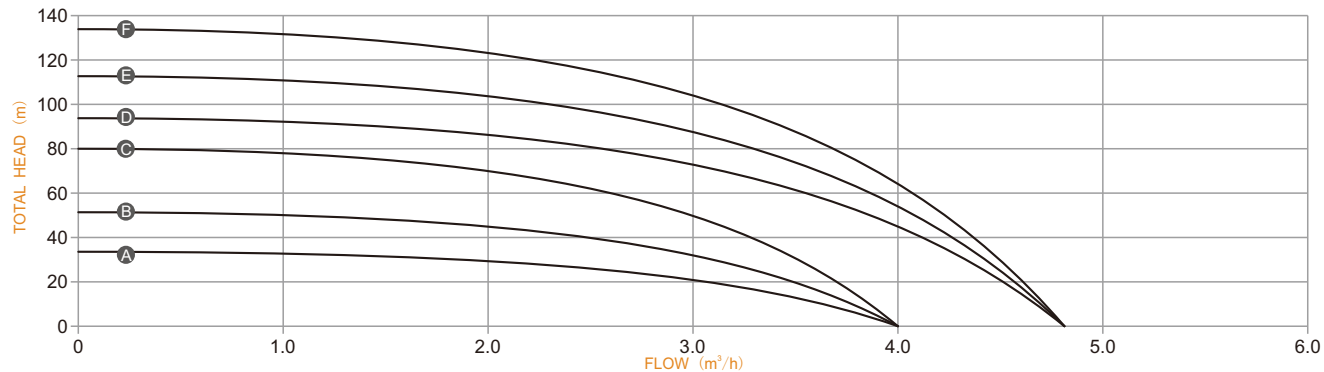


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well dry running protection

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	I3SC4-35-24-300	24V	30-48V	300W	4.0m³/h	35m	1.25"	2m	<50V	≥1.3*PUMP POWER
B	I3SC4-50-48-400	48V	60-90V	400W	4.0m³/h	50m	1.25"	2m	<100V	≥1.3*PUMP POWER
C	I3SC4-80-48(72)-600	48(72)V	60-90V (72-120V)	600W	4.0m³/h	80m	1.25"	2m	<100(150)V	≥1.3*PUMP POWER
D	I3SC4.8-95-72(96)-750	72(96)V	90-120V (110-150V)	750W	4.8m³/h	95m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
E	I3SC4.8-112-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	4.8m³/h	112m	1.25"	2m	<200(300)V	≥1.3*PUMP POWER
F	I3SC4.8-135-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	4.8m³/h	135m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER

I4SC Built-in Controller

Solar Submersible Pump Series







01

Outlet

1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS





03

Bottom support

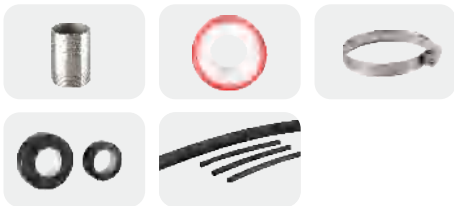
Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

- Running Speed Control
- Short-Circuit Protection
- MPPT
- Dry Running Protection (Stop)
- Soft Starting Protection
- Reverse Voltage Protection
- Low-voltage / Over-voltage Protection
- Over Current Protection

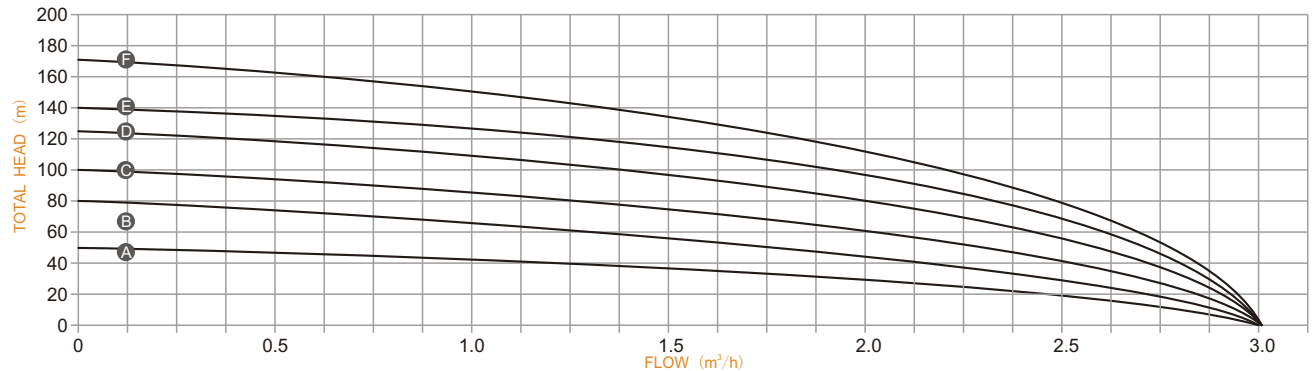


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well dry running protection

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	I4SC3.0-50-48-400	48V	60-90V	400W	3.0m³/h	50m	1.25"	2m	<100(150)V	≥1.3*PUMP POWER
B	I4SC3.0-80-72-600	72V	90-120V	600W	3.0m³/h	80m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
C	I4SC3.0-100-72(96)-750	72(96)V	90-150V (150-200V)	750W	3.0m³/h	100m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
D	I4SC3.0-125-96(120)-900	96(120)V	110-150V (180-250V)	900W	3.0m³/h	125m	1.25"	2m	<200(300)V	≥1.3*PUMP POWER
E	I4SC3.0-140-110(150)-1100	110(200)V	110-150V (200-300V)	1100W	3.0m³/h	140m	1.25"	2m	<200(350)V	≥1.3*PUMP POWER
F	I4SC3.0-170-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	3.0m³/h	170m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER
G	I4SC3.0-260-300-2200	300V	300-400V	2200W	3.0m³/h	260m	1.25"	2m	<450V	≥1.3*PUMP POWER

I4SC Built-in Controller

Solar Submersible Pump Series







01

Outlet

1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS



02

Inlet

Stainless Steel
AISI 304SS/316SS





03

Bottom support

Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

- Running Speed Control
- Short-Circuit Protection
- MPPT
- Dry Running Protection (Stop)
- Soft Starting Protection
- Reverse Voltage Protection
- Low-voltage / Over-voltage Protection
- Over Current Protection

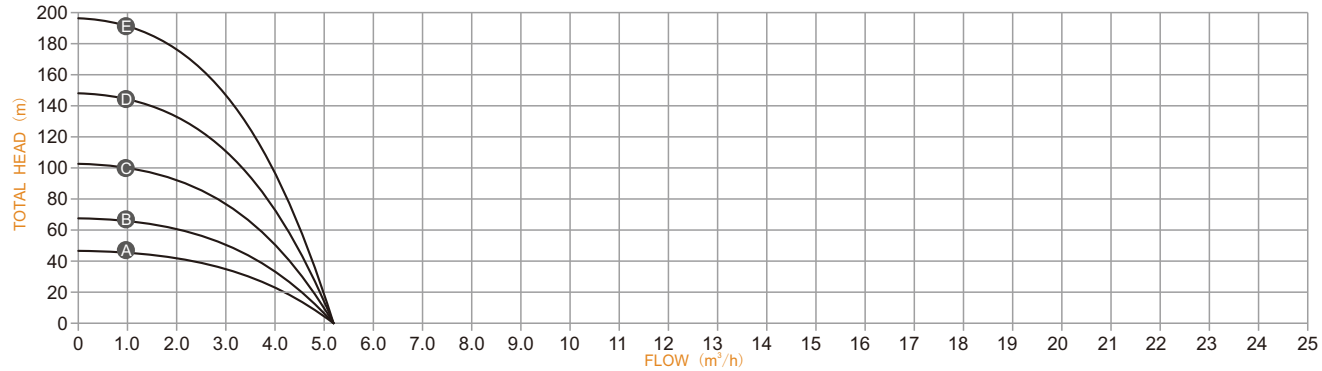


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well dry running protection

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	I4SC5.2-45-48(72)-500	48(72)V	60-90V (72-120V)	500W	5.2m³/h	45m	1.25"	2m	<100(150)V	≥1.3*PUMP POWER
B	I4SC5.2-67-72(96)-750	72(96)V	90-120V (110-150V)	750W	5.2m³/h	67m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
C	I4SC5.2-101-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	5.2m³/h	101m	1.25"	2m	<200(300)V	≥1.3*PUMP POWER
D	I4SC5.2-146-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	5.2m³/h	146m	1.25"	2m	<200(350)V	≥1.3*PUMP POWER
E	I4SC5.2-198-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	5.2m³/h	198m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER
F	I4SC5.2-255-300-2200	300V	300-400V	2200W	5.2m³/h	255m	1.25"	2m	<450V	≥1.3*PUMP POWER

I4SC Built-in Controller

Solar Submersible Pump Series



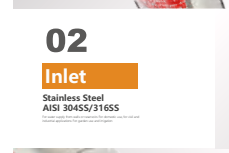




01

Outlet

1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS



02

Inlet

Stainless Steel
AISI 304SS/316SS





03

Bottom support

Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY



Running Speed Control | Short-Circuit Protection | MPPT | Dry Running Protection | Soft Starting Protection | Reverse Voltage Protection | Low-voltage / Over-voltage Protection | Over Current Protection

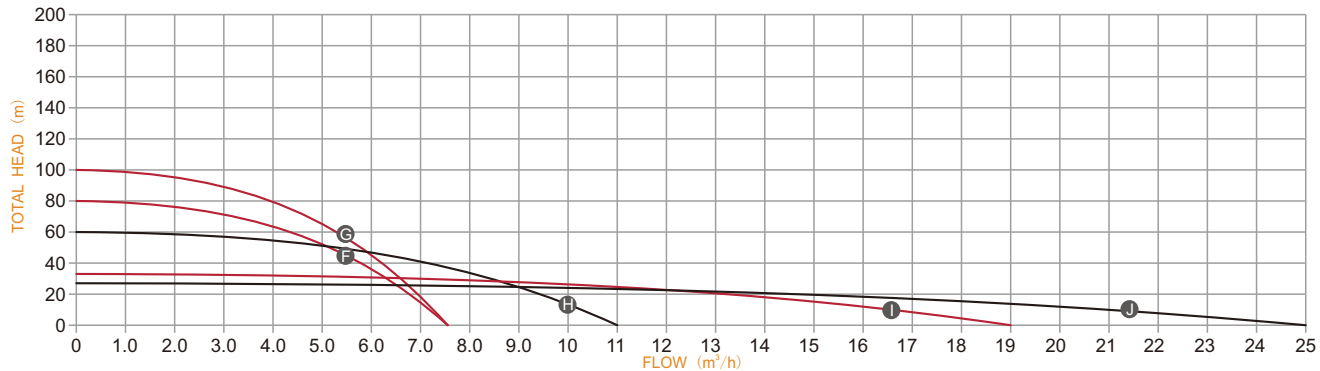


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well dry running protection

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
G	I4SC7.5-80-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	7.5m³/h	80m	1.25"	2m	<200(350)V	≥1.3*PUMP POWER
H	I4SC7.5-100-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	7.5m³/h	100m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER
I	I4SC7.5-150-300-2200	300V	300-400V	2200W	7.5m³/h	150m	1.25"	2m	<450V	≥1.3*PUMP POWER
J	I4SC11-60-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	11m³/h	60m	2"	2m	<200(400)V	≥1.3*PUMP POWER
K	I4SC19-35-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	19m³/h	35m	2"	2m	<200(400)V	≥1.3*PUMP POWER
L	I4SC25-26-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	25m³/h	26m	2"	2m	<200(400)V	≥1.3*PUMP POWER

I4/6SC Built-in Controller

Solar Submersible Pump Series







01

Outlet

3.0 inch,
Stainless Steel AISI 304SS/316SS

02

Inlet

Stainless Steel
AISI 304SS/316SS





03

Bottom support

Stainless Steel
AISI 304SS/316SS

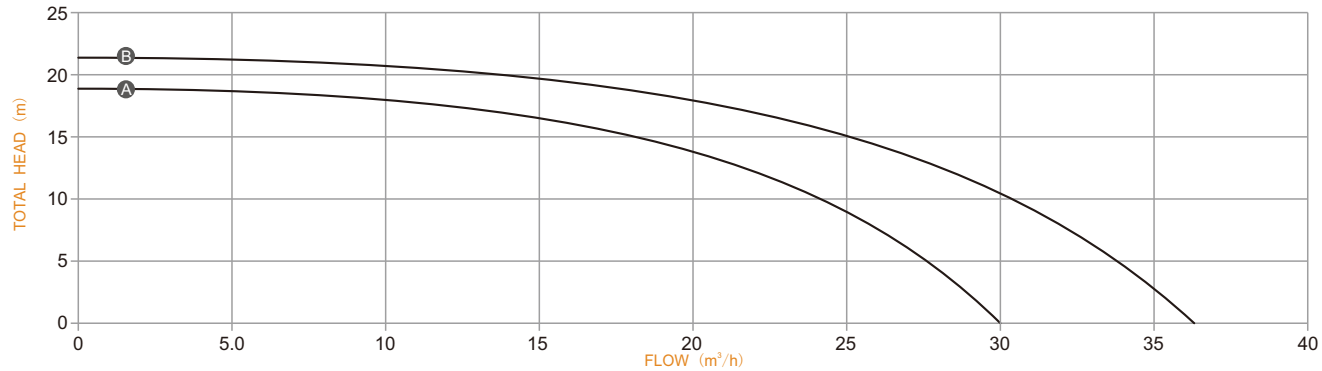
ADVANCED TECHNOLOGY



Running Speed Control | Short-Circuit Protection | MPPT | Dry Running Protection | Soft Starting Protection | Reverse Voltage Protection | Low-voltage / Over-voltage Protection | Over Current Protection



PERFORMANCE CURVES AND DATA



FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well dry running protection

No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	I4/6SC30-19-110(150)-1100	110(150)V	110-150V (200-300V)	1100W	30m³/h	19m	3"	2m	<200(300)V	≥1.3*PUMP POWER
B	I4/6SC36-22-110(200)-1500	110(200)V	110-150V (150-200V)	1500W	36m³/h	22m	3"	2m	<200(400)V	≥1.3*PUMP POWER
C	I4/6SC36-38-300-2200	300V	300-400V	2200W	36m³/h	38m	3"	2m	<450V	≥1.3*PUMP POWER

Vodloon
SOLAR

APPLICATION

GARDENING | IRRIGATION | WASHING | SHALLOW WELL | 30–140 m HIGHLIFT | HOME SWIMMING POOL

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

ZFPV500 /580

HUGE POWER SOLAR PUMP INVERTER

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- Large Flow Gao Yangcheng
- All-copper motor coil
- Low noise
- High efficiency and energy saving
- Super durability

Vodloon
SOLAR





ZFPV 150 / 500

SOLAR PUMP INVERTER



Solar pump inverter introduction

ZFPV series solar pump inverter

Clean energy:

inexhaustible energy supply, non-pollution, zero carbon dioxide emissions, actively contribute to curbing global warming.

Economic and affordable: One-time investment to get long-term returns,and enjoy government subsidies.

Safe and reliable: unattended, work at sunrise and stop at sunset

Simple operation: One key operation

Smart Internet of Things:

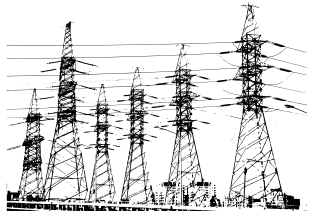
powerful GPRS Internet of Things, and users could master the system state at anytime and anywhere.

Personal customized:

special model supports ultra low input voltage of 30-300VDC with a specialized sine wave filter.

Inte rnational standards: in line with national standards and access to CE certification.





PUBLIC ELECTRICITY
(380/400/440v 3-PHASE
AC Input)



Solar module array



CONTROLLER
(OPTIONAL)



BATTERY DC load



INVERTER FOR
SOLAR PUMP SYSTEM



220v/380v 3-phase
SUBMERSIBLE pump
AC load

PV pump system is different from the traditional AC pump application system,PV pumping inverter converts DC voltage from the solar array into AC voltage to drive the pump. Pumping water from deep well, river, lake, etc.

Vodloon SOLAR



ZFPV 500

SOLAR PUMP INVERTER

ZFPV500 Solar Pump Inverter

Item	Solar pump inverter power (KW)	Pump		Max solar power input (KW)	Max DC input voltage V	Recommend Voc voltage (V)	Rated output current (A)	Output frequency (Hz)
		Rated power (KW)	Rated voltage (V)					
ZFPV500-2SP-0.7G	0.75	0.75	220	1	450	360～430	4	0-320
ZFPV500-2SP-1.5G	1.5	1.5	220	1.95	450	360～430	7	0-320
ZFPV500-2SP-2.2G	2.2	2.2	220	2.86	450	360～430	10	0-320
ZFPV500-2SP-4.0G	4	4	220	5.4	450	360～430	16	0-320
ZFPV500-3TH-0.7G	0.75	0.75	380	1	780	620～750	3	0-320
ZFPV500-3TH-1.5G	1.5	1.5	380	2.2	780	620～750	4	0-320
ZFPV500-3TH-2.2G	2.2	2.2	380	3.3	780	620～750	6	0-320
ZFPV500-3TH-4.0G	4	4	380	5.6	780	620～750	10	0-320
ZFPV500-3TH-5.5G	5.5	5.5	380	8	780	620～750	13	0-320
ZFPV500-3TH-7.5G	7.5	7.5	380	10	780	620～750	17	0-320
ZFPV500-3TH-11G	11	11	380	14.3	780	620～750	25	0-320
ZFPV500-3TH-15G	15	15	380	19.5	780	620～750	32	0-320
ZFPV500-3TH-18.5G	18.5	18.5	380	23.4	780	620～750	38	0-320
ZFPV500-3TH-22G	22	22	380	28.6	780	620～750	45	0-320
ZFPV500-3TH-30G	30	30	380	39	780	620～750	60	0-320
ZFPV500-3TH-37G	37	37	380	48.1	780	620～750	75	0-320
ZFPV500-3TH-45G	45	45	380	58.5	780	620～750	90	0-320
ZFPV500-3TH-55G	55	55	380	71.5	780	620～750	110	0-320
ZFPV500-3TH-75G	75	75	380	97.5	780	620～750	150	0-320

Technical parameters		
Project		Parameters
Input power supply	Voltage，frequency	2SP model：150-450VDC/ single-phase 220VAC 50/60HZ
		3TH model：350-780VDC/ three-phase 380VAC 50/60HZ
	Allowable Fluctuations	Voltage imbalance rate：＜3%
		Frequency fluctuation：±5%
		Distortion rate: Conform to IEC 61800-2
	Frequency inverter efficiency	≥96%
	Recommended voltage Voc	2SP model：175-360VDC
		3TH model：620-750VDC
Output	MPPT efficiency	reaches 99.9%
	Output frequency range	0-320Hz (320 Hz or higher frequency can be customized)
	Overload capacity	150% rated current 1min; 180% rated current 10s; 200% rated current 0.5s
Protection Functions	Solar pump protection functions	Dry protection, low frequency protection, minimum power protection, sleep protection, overwater protection, pump overcurrent protection, etc.
	Basic protection functions	Overvoltage, undervoltage, inverter overcurrent, module fault, inverter overload, motor overload, current detection zero-drift fault, current detection fault, E2RCM fault, grounding short-circuit fault, input phase loss, output phase loss , inverter overheating, communication fault, motor parameter self-learning fault, etc.
	Short-circuit detection of motor grounding	Automatic detection whether the motor is Short-circuit to ground in power-on
	Servo control	Support synchronous and asynchronous servo control, perform pulse tracking, zero
		servo, indexing positioning and other basic servo functions, and support the orthogonal pulse given.
	Communication network	Supports RS485 communication, to realize network and linkage control between VEICHI inverters
	Long-distance monitoring function	Supports long-distance program upgrade, data monitoring and lock function, can connect VEICHI GPRS module, and supports VEICHI virtual oscilloscope for monitoring and debugging.
Surroundings	Installation location	Outdoor, less than 1000m altitude, keep away from corrosive air and direct sunlight
	Temperature, humidity	-10-60°C, 20%-95%RH (no condensation)
	Vibration	The vibration is less than 0.5g when the vibration frequency is less than 20Hz
	Storage temperature	-20~60℃
	Installation mode	Suspension installation
	Protection class	IP20
	Cooling method	Natural cooling/forced air cooling
International certification		CE

AC Deep Well Pump
for Huge Power Solar Pumping System



Model	Voltage	Power	Rated Flow	Rated Head	Flow	0	1	2	3	4
	V	W	m^3/h	m	m^3/h					
4SP3-61-12-0.75	220 / 380	0.75	3	61		72	68	64	61	40
4SP3-80-16-1.1	220 / 380	1.1	3	80		91	89	85	80	50
4SP3-109-22-1.5	220 / 380	1.5	3	109		132	125	118	109	75
4SP3-157-32-2.2	220 / 380	2.2	3	157	Head(m)	190	185	176	157	110
4SP3-220-45-3.0	380	3	3	220		256	250	244	220	150
4SP3-287-59-4.0	380	4	3	287		323	310	302	287	210
4SP3-316-65-5.5	380	5.5	3	316		355	345	328	316	247

Model	Voltage	Power	Rated Flow	Rated Head	Flow	0	6	8	9	10	12
	V	W	m^3/h	m	m^3/h						
4SP8-25-5-0.75	220 / 380	0.75	8	25		33	28	25	22	17	12
4SP8-34-7-1.1	220 / 380	1.1	8	34		44	39	34	31	26	17
4SP8-47-10-1.5	220 / 380	1.5	8	47		59	56	47	38	34	20
4SP8-61-13-2.2	220 / 380	2.2	8	61		75	71	61	55	46	28
4SP8-83-18-3.0	380	3	8	83	Head(m)	98	94	83	71	61	35
4SP8-114-25-4.0	380	4	8	114		134	122	114	100	84	50
4SP8-145-32-5.5	380	5.5	8	145		169	157	145	121	101	67
4SP8-178-40-7.5	380	7.5	8	178		203	185	178	148	116	81

Model	Voltage	Power	Rated Flow	Rated Head	Flow	0	6	8	10	14	16
	V	W	m^3/h	m	m^3/h						
4SP14-20-5-1.5	220 / 380	1.5	14	20		35	32	29	25	20	16
4SP14-28-7-2.2	220 / 380	2.2	14	28		49	45	40	34	28	23
4SP14-40-10-3.0	380	3	14	40		70	62	57	49	40	32
4SP14-52-13-4.0	380	4	14	52	Head(m)	91	81	74	63	52	42
4SP14-60-15-5.5	380	5.5	14	60		105	94	85	73	60	48
4SP14-72-18-5.5	380	5.5	14	72		126	113	103	90	72	58
4SP14-84-21-7.5	380	7.5	14	84		147	135	119	101	84	67
4SP14-100-25-7.5	380	7.5	14	100		175	163	143	123	100	80

AC Deep Well Pump
for Huge Power Solar Pumping System



Model Three phase 380-415V/ 50Hz	Motor Power		Rated Flow	Rated Head	The best use the flow head						
					L/min	0	166	250	333	416	500
	KW	HP	m^3/h	m	m^3/h	0	10	15	20	25	30
6SP20-17-2-1.5	1.5	2	20	17		22	21	19	17	12	6
6SP20-26-3-2.2	2.2	3	20	26		33	31	29	26	18	10
6SP20-34-4-3.0	3	4	20	34		44	41	38	34	24	13
6SP20-51-6-4.0	4	5.5	20	51		66	62	57	51	36	19
6SP20-68-8-5.5	5.5	7.5	20	68		88	82	76	68	54	29
6SP20-94-11-7.5	7.5	10	20	94		121	113	105	94	66	35
6SP20-111-13-9.2	9.2	12.5	20	111	Head(m)	145	136	125	111	78	41
6SP20-136-16-11	11	15	20	136		176	165	152	136	96	51
6SP20-162-19-13	13	17.5	20	162		209	196	181	162	114	61
6SP20-187-22-15	15	20	20	187		242	227	209	187	132	70
6SP20-230-27-18.5	18.5	25	20	230		297	278	257	230	162	86
6SP20-272-32-22	22	30	20	272		352	330	304	272	192	102
6SP20-323-38-26	26	35	20	323		418	391	361	323	228	122

Model Three phase 380-415V/ 50Hz	Motor Power		Rated Flow	Rated Head	The best use the flow head						
					L/min	0	333	500	666	750	833
	KW	HP	m^3/h	m	m^3/h	0	20	30	40	45	50
6SP40-18-2-3.0	3	4	40	18		26	25	21	18	16	13
6SP40-27-3-5.5	5.5	7.5	40	27		40	37	32	27	25	20
6SP40-36-4-7.5	7.5	10	40	36		53	50	43	36	32	26
6SP40-46-5-7.5	7.5	10	40	46		67	63	54	46	41	33
6SP40-55-6-9.2	9.2	12.5	40	55		80	75	65	55	49	40
6SP40-64-7-11	11	15	40	64		94	88	75	64	57	47
6SP40-74-8-13	13	17.5	40	74	Head(m)	107	101	86	74	65	54
6SP40-92-10-15	15	20	40	92		134	126	108	92	82	67
6SP40-110-12-18.5	18.5	25	40	110		161	151	130	110	98	80
6SP40-129-14-22	22	30	40	129		188	176	151	129	115	94
6SP40-156-17-26	26	35	40	156		228	214	184	156	139	114
6SP40-184-20-30	30	40	40	184		268	252	216	184	164	134
6SP40-221-24-37	37	45	40	221		322	302	259	221	196	161

Model Three phase 380-415V/ 50Hz	Motor Power		Rated Flow	Rated Head	The best use the flow head						
					L/min	0	666	833	916	1000	1083
	KW	HP	m^3/h	m	m^3/h	0	40	50	55	60	65
6SP60-31-4-7.5	7.5	10	60	31		56	40	36	34	31	28
6SP60-39-5-9.2	9.2	12.5	60	39		70	51	45	42	39	34
6SP60-46-6-11	11	15	60	46		84	61	54	50	46	41
6SP60-62-8-15	15	20	60	62		112	82	72	67	62	55
6SP60-70-9-18.5	18.5	25	60	70		126	93	81	75	70	62
6SP60-78-10-18.5	18.5	25	60	78	Head(m)	140	103	90	84	78	69
6SP60-86-11-22	22	30	60	86		154	116	100	93	86	76
6SP60-94-12-22	22	30	60	94		168	124	110	102	94	83
6SP60-102-13-26	26	35	60	102		182	136	118	110	102	90
6SP60-110-14-26	26	35	60	110		196	146	128	119	110	97
6SP60-117-15-26	26	35	60	117		210	155	135	126	117	104
6SP60-125-16-30	30	40	60	125		224	168	145	135	125	111

AC Deep Well Pump
for Huge Power Solar Pumping System

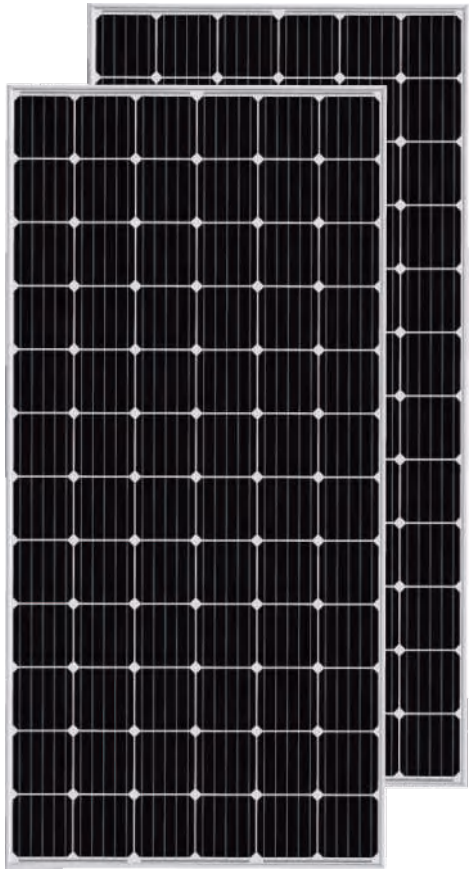


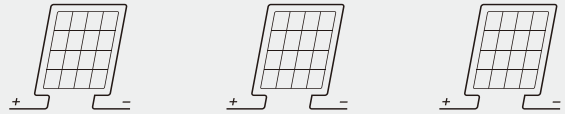
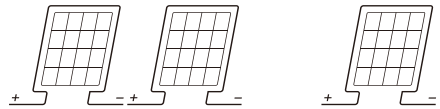
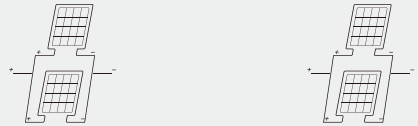
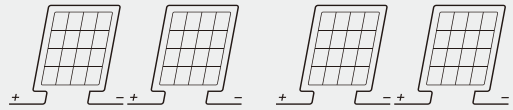
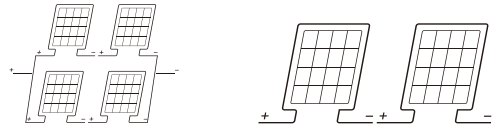
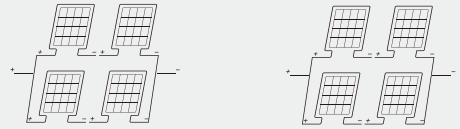
Model Three phase 380-415V/ 50Hz	Motor Power		Rated Flow	Rated Head	The best use the flow head						
					L/min	0	833	1000	1166	1283	1500
	KW	HP	m^3/h	m	m^3/h	0	50	60	70	77	90
8SP77-13-1-5.5	5.5	7.5	77	13		20	16	15	14	13	10
8SP77-27-2-7.5	7.5	10	77	27		40	31	30	28	27	21
8SP77-40-3-11	11	15	77	40		59	47	44	42	40	31
8SP77-53-4-15	15	20	77	53		79	63	59	56	53	42
8SP77-67-5-18.5	18.5	25	77	67		99	78	74	70	67	52
8SP77-80-6-22	22	30	77	80		119	94	89	84	80	63
8SP77-93-7-26	26	35	77	93	Head(m)	139	110	104	98	93	73
8SP77-107-8-30	30	40	77	107		159	125	119	112	107	84
8SP77-133-10-37	37	50	77	133		198	157	148	140	133	105
8SP77-160-12-45	45	60	77	160		238	188	178	168	160	126
8SP77-200-15-55	55	75	77	200		297	235	222	210	200	157
8SP77-227-17-63	63	85	77	227		337	266	252	238	227	178
8SP77-267-20-75	75	100	77	267		397	313	297	280	267	210

Model Three phase 380-415V/ 50Hz	Motor Power		Rated Flow	Rated Head	The best use the flow head						
					L/min	0	1000	1333	1583	1666	1833
	KW	HP	m^3/h	m	m^3/h	0	60	80	95	100	110
8SP95-12-1-5.5	5.5	7.5	95	12		21	16	14	12	11	9
8SP95-24-2-9.2	9.2	12.5	95	24		41	31	28	24	22	18
8SP95-36-3-13	13	17.5	95	36		61	47	41	36	33	28
8SP95-48-4-18.5	18.5	25	95	48		82	62	55	48	45	37
8SP95-60-5-22	22	30	95	60		102	78	69	60	56	46
8SP95-72-6-26	26	35	95	72		123	94	83	72	67	55
8SP95-96-8-37	37	50	95	96	Head(m)	163	124	110	96	89	73
8SP95-120-10-45	45	60	95	120		204	155	137	120	112	92
8SP95-132-11-55	55	75	95	132		225	172	152	132	123	101
8SP95-144-12-55	55	75	95	144		246	187	165	144	135	111
8SP95-168-14-63	63	85	95	168		285	218	193	168	157	129
8SP95-193-16-75	75	100	95	193		326	249	220	193	179	147
8SP95-240-20-93	93	125	95	240		408	312	276	240	224	184

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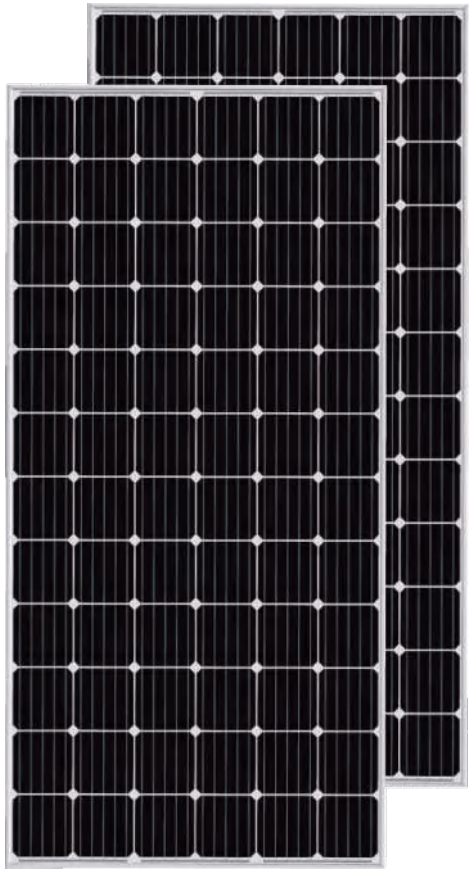
Solar Panel recommendation for 24-110(150)V DC

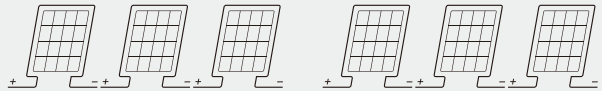
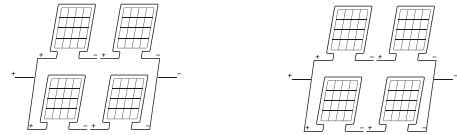
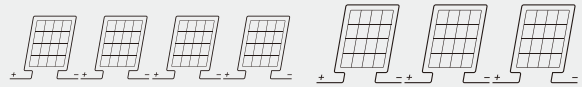
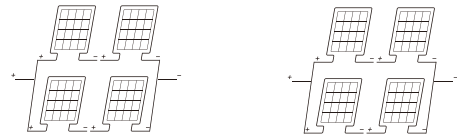
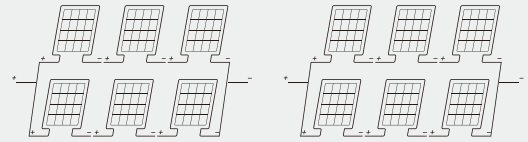
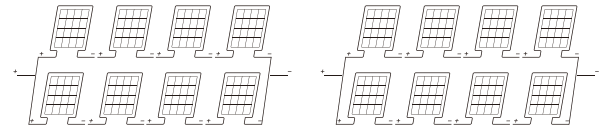
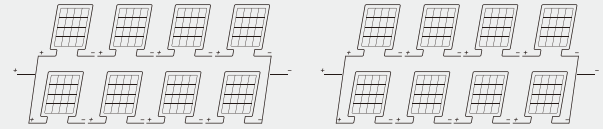


Power 80W-12V Vol: 18-50V	 Solar Panel: 150w*1PCS / 265W*1PCS / 340W *1PCS
Power 120-210W-24V 210W -36V Vol: 18-50V	 Solar Panel: 150w*2PCS / 265W*1PCS / 340W *1PCS
Power 280W-24V 300W-24V Vol: 18-50V	 Solar Panel: 265w*2PCS / 340W*2PCS
Power 400W-36V Vol: 18-50V	 Solar Panel: 265w*2PCS / 340W*2PCS
Power 370W-48V 400W-48V Vol: 30-100V	 Solar Panel: 265w*2PCS / 340W*2PCS
Power 500W-48V 550W-48V Vol: 30-100V	 Solar Panel: 265w*4PCS / 340W*2PCS
Power 600W-48V Vol: 30-100V	 Solar Panel: 265w*4PCS / 340W*4PCS

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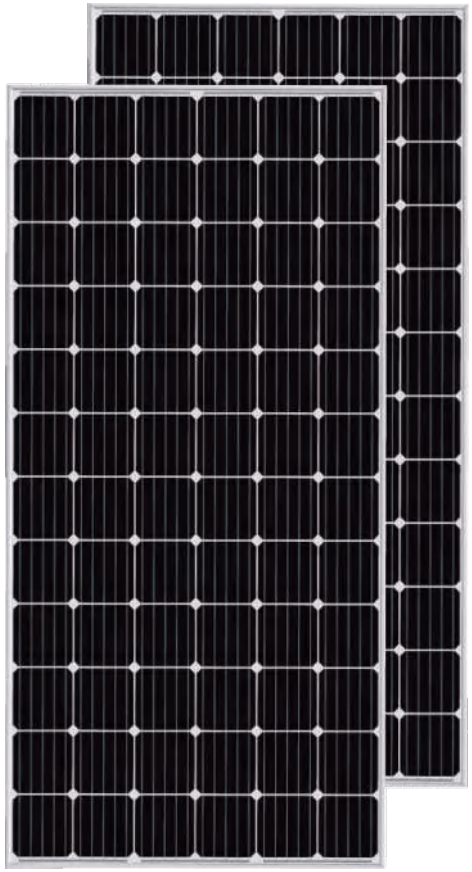
Solar Panel recommendation for 24-110(150)V DC

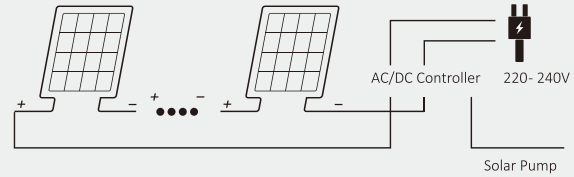
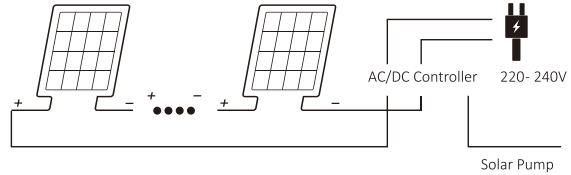
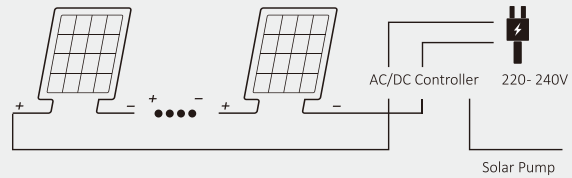
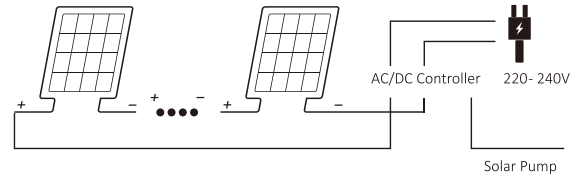
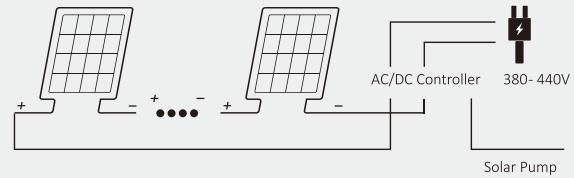
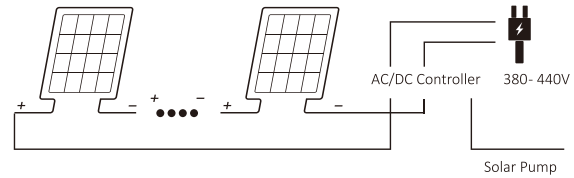


Power 600W-72V Vol: 50-150V	 Solar Panel: 265w*3PCS / 340W*3PCS
Power 750W-48V Vol: 30-100V	 Solar Panel: 265w*4PCS / 340W*4PCS
Power 750W-72V Vol: 50-150V	 Solar Panel: 265w*4PCS / 340W*3PCS
Power 900W-72V Vol: 50-150V	 Solar Panel: 265w*4PCS / 340W*4PCS
Power 1000W-96V Vol: 60-200V	 Solar Panel: 265w*6PCS / 340W*6PCS
Power 1300W-96V Vol: 60-200V	 Solar Panel: 265w*8PCS / 340W*8PCS
Power 1600W-110V Vol: 60-200V	 Solar Panel: 265w*4PCS / 340W*4PCS

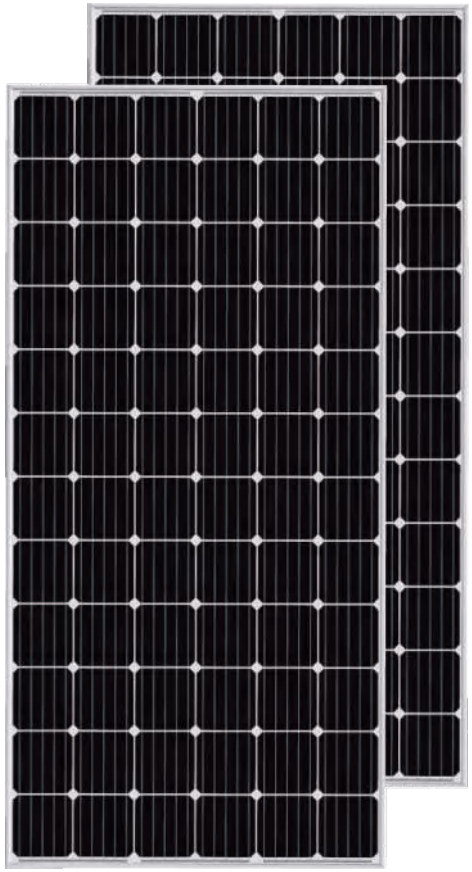
Vodloon SOLAR

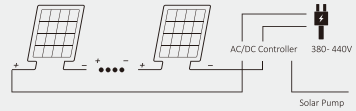
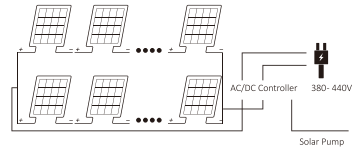
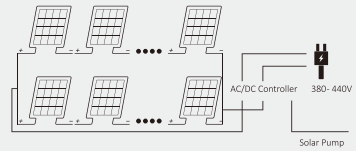
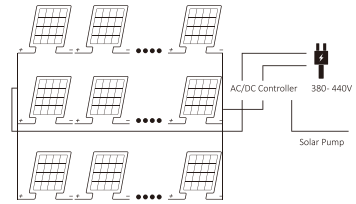
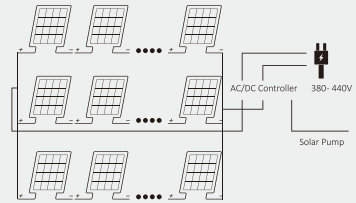
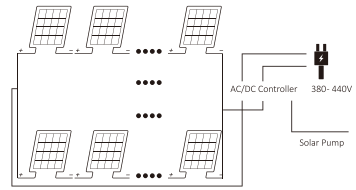
Solar Panel recommendation for AC/DC Solar Pump



POWER 750W-220V BEST DC Vol. 300-400V		Solar Panel: 265W*7PCS Solar Panel: 340W*6PCS
POWER 1100W-220V 1200W-220V BEST DC Vol. 300-400V		Solar Panel: 265W*8PCS Solar Panel: 340W*7PCS
POWER 1300W-220V 1500W-220V BEST DC Vol. 300-400V		Solar Panel: 265W*10PCS Solar Panel: 340W*8PCS
POWER 2200W-220V BEST DC Vol. 300-400V		Solar Panel: 265W*11PCS Solar Panel: 340W*9PCS
POWER 2200W-380V BEST DC Vol. 480-750V		Solar Panel: 265W*15PCS Solar Panel: 340W*13PCS
POWER 3000W-380V BEST DC Vol. 480-750V		Solar Panel: 265W*16PCS Solar Panel: 340W*14PCS

Solar Panel recommendation for AC/DC Solar Pump



POWER 4000W-380V BEST DC Vol. 480-750V		Solar Panel: 265W*19PCS Solar Panel: 340W*17PCS
POWER 5500W-380V BEST DC Vol. 480-750V		Solar Panel: 265W*32PCS Solar Panel: 340W*28PCS
POWER 7500W-380V BEST DC Vol. 480-750V		Solar Panel: 265W*38PCS Solar Panel: 340W*34PCS
POWER 9200W-380V BEST DC Vol. 480-750V		Solar Panel: 265W*48PCS Solar Panel: 340W*42PCS
POWER 11000W-380V BEST DC Vol. 480-750V		Solar Panel: 265W*54PCS Solar Panel: 340W*48PCS
POWER 15000W-380V BEST DC Vol. 480-750V		Solar Panel: 265W*80PCS Solar Panel: 340W*68PCS

Model Name Explanation

S3SS1.7 -109 -48 -500D

S	3	S	S	1.7	-	109	-	48	-	500	D
①	②	③	④	⑤		⑥		⑦		⑧	⑨
① S	Z: ZSCO DC controller (Bigger)										
	S: SSCO DC controller (Middle)										
	E: ESCO DC controller (Smaller)										
② 3	3: Pump Diameter 3 inch(Min. borehole size)										
	4: Pump Diameter 4 inch(Min. borehole size)										
③ S	S: Normal Standard										
	H: Higher Standard(Cast 304SS Stronger Pump body)										
④ S	S: Screw Pump										
⑤ 1.7	Max Flow: 1.7 m3/h @ 1 m head										
⑥ 109	Max head(Shut off head): 109m @ 0 Flow										
⑦ 48	Rated Voltage Input(Min. Voltage): 48V										
⑧ 500	Rated Power Input(Min. Power): 500 w										
⑨ D	S or None: 304 Material Standard / 304SS Oil Cylinder and 304SS lantern and Delivery casing										
	D:201 Material Standard / 201SS Oil Cylinder and 201SS lantern and Delivery casing										
	B: Brass Material Standard / Brass Oil Cylinder and Brass lantern and Delivery casing										
	C: Cast Iron HT250 Oil Cylinder and 201SS or Brass lantern and Delivery casing										

Z4PC6 -112 -110 -1300

Z	4	P	C	6	-	112	-	110	-	1300	
①	②	③	④	⑤		⑥		⑦		⑧	⑨
① Z	Z: ZSCO DC controller (Bigger)										
	S: SSCO DC controller (Middle)										
	E: ESCO DC controller (Smaller)										
② 4	3: Pump Diameter 3 inch(Min. borehole size)										
	4: Pump Diameter 4 inch(Min. borehole size)										
③ P	P: PC impeller type										
	S: 304SS impeller type										
④ C	C: Centrifugal type pump										
⑤ 6	Max Flow: 6.0 m3/h @ 1 m head										
⑥ 112	Max head(Shut off head): 112m @ 0 Flow										
⑦ 110	Rated Voltage Input(Min. Voltage): 110V										
⑧ 1300	Rated Power Input(Min. Power): 1300 w										
⑨	S or None: 304 Material Standard / 304SS Oil Cylinder and 304SS lantern and Delivery casing										
	D:201 Material Standard / 201SS Oil Cylinder and 201SS lantern and Delivery casing										
	B: Brass Material Standard / Brass Oil Cylinder and Brass lantern and Delivery casing										
	C: Cast Iron HT250 Oil Cylinder and 201SS or Brass lantern and Delivery casing										

Z4/6SC36 -22 -110 -1500

Z	4/6	S	C	36	-	22	-	110	-	1500	
①	②	③	④	⑤		⑥		⑦		⑧	⑨
① Z	Z: ZSCO DC controller (Bigger)										
	S: SSCO DC controller (Middle)										
	E: ESCO DC controller (Smaller)										
② 4/6	3: Pump Diameter 3 inch(Min. borehole size)										
	4: Pump Diameter 4 inch(Min. borehole size)										
	4/6: Pump Diameter 6 inch(Min. borehole size)										
③ S	P: PC impeller type										
	S: 304SS impeller type										
④ C	C: Centrifugal type pump										
⑤ 36	Max Flow: 36.0 m3/h @ 1 m head										
⑥ 22	Max head(Shut off head): 22m @ 0 Flow										
⑦ 110	Rated Voltage Input(Min. Voltage): 110V										
⑧ 1500	Rated Power Input(Min. Power): 1500 w										
⑨	S or None: 304 Material Standard / 304SS Oil Cylinder and 304SS lantern and Delivery casing										
	D:201 Material Standard / 201SS Oil Cylinder and 201SS lantern and Delivery casing										
	B: Brass Material Standard / Brass Oil Cylinder and Brass lantern and Delivery casing										
	C: Cast Iron HT250 Oil Cylinder and 201SS or Brass lantern and Delivery casing										

S4SC5.2 -198 -200 -1500D

S	4	S	C	5.2	-	198	-	200	-	1500	D
①	②	③	④	⑤		⑥		⑦		⑧	⑨
① S	Z: ZSCO DC controller (Bigger)										
	S: SSCO DC controller (Middle)										
	E: ESCO DC controller (Smaller)										
② 4	3: Pump Diameter 3 inch(Min. borehole size)										
	4: Pump Diameter 4 inch(Min. borehole size)										
③ S	P: PC impeller type										
	S: 304SS impeller type										
④ C	C: Centrifugal type pump										
⑤ 5.2	Max Flow: 6.0 m3/h @ 1 m head										
⑥ 198	Max head(Shut off head): 112m @ 0 Flow										
⑦ 200	Rated Voltage Input(Min. Voltage): 110V										
⑧ 1500	Rated Power Input(Min. Power): 1300 w										
⑨ D	S or None: 304 Material Standard / 304SS Oil Cylinder and 304SS lantern and Delivery casing										
	D:201 Material Standard / 201SS Oil Cylinder and 201SS lantern and Delivery casing										
	B: Brass Material Standard / Brass Oil Cylinder and Brass lantern and Delivery casing										
	C: Cast Iron HT250 Oil Cylinder and 201SS or Brass lantern and Delivery casing										

ZSHF26 -15 -110 -1100H

Z	S	H	F	26	-	15	-	110	-	1100	H
①	②	③		④		⑤		⑥		⑦	⑧
① Z	Z: ZSCO DC controller (Bigger)										
	S: SSCO DC controller (Middle)										
	E: ESCO DC controller (Smaller)										
② S	S: Solar DC Pump										
③ HF	HF: HF Series surface pump										
④ 26	Max Flow: 26 m3/h @ 1 m head										
⑤ 15	Max head(Shut off head): 15m @ 0 Flow										
⑥ 110	Rated Voltage Input(Min. Voltage): 110V										
⑦ 1100	Rated Power Input(Min. Power): 1100 w										
⑧ H	H: with Frame										
	None: without Frame										

Z4PC13 -130 -300 -2500D -A/DHY

Z	4	P	C	13	-	130	-	300	-	2500	D	-	A/DHY
①	②	③	④	⑤		⑥		⑦		⑧	⑨		⑩
① Z	Z: ZSCO controller Box												
② 4	3: Pump Diameter 3 inch(Min. borehole size)												
	4: Pump Diameter 4 inch(Min. borehole size)												
③ P	P: PC impeller type												
	S: 304SS impeller type												
④ C	C: Centrifugal type pump												
⑤ 13	Max Flow: 13 m3/h @ 1 m head												
⑥ 130	Max head(Shut off head): 130m @ 0 Flow												
⑦ 300	Rated Voltage Input(Min. Voltage): 300V												
⑧ 2500	Rated Power Input(Min. Power): 2500 w												
⑨ D	S or None: 304 Material Standard / 304SS Oil Cylinder and 304SS lantern and Delivery casing												
	D:201 Material Standard / 201SS Oil Cylinder and 201SS lantern and Delivery casing												
	B: Brass Material Standard / Brass Oil Cylinder and Brass lantern and Delivery casing												
	C: Cast Iron HT250 Oil Cylinder and 201SS or Brass lantern and Delivery casing												
⑩ A/DHY	A/DHY: AC/DC Automatically Hybrid Solar Pump Controller												
	A/DSW: AC/DC Automatically Switching Solar Pump Controller												
	A/DCP: AC/DC Automatically Compeletary Solar Pump Controller												

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