

PROFESSIONAL SOLAR PUMP MANUFACTURER



DIFFUL

SOLAR WATER PUMP

ZHEJIANG DINGFENG ELECTRICAL APPLIANCE CO., LTD.



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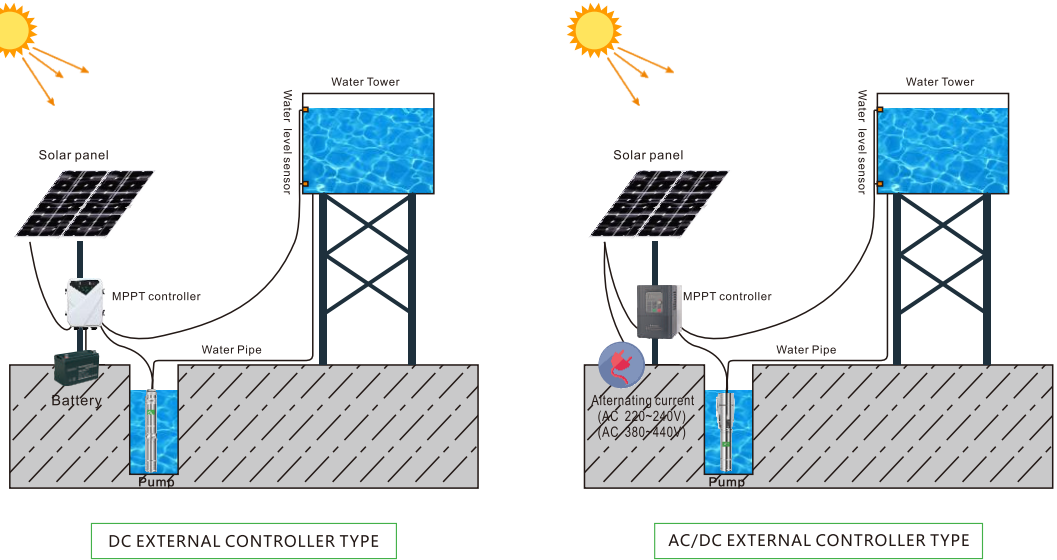
E-mail: info@diffulpump.com

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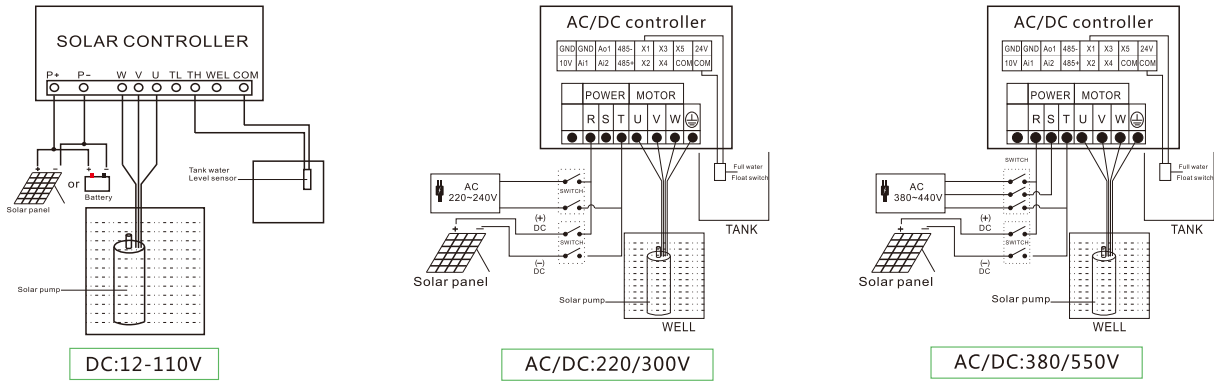
- 1、 Permanent magnet DC brushless synchronous motor: The efficiency is improved by 15%–20%;
Save energy; Reduce the consumption of solar panels.
- 2、 304 S/S pump shaft.
- 3、 Brass or stainless steel outlet/connector/ oil cylinder.
- 4、 Japanese NSK bearing: prolong the working life.
- 5、 Double bearing motor base: can work under more axial pressure
- 6、 Alloy mechanical seal: Longer working life and high reliability.
- 7、 Motor coil is made by automatic winding machine with centralized winding technology, motor efficiency is much improved.
- 8、 Intelligent water shortage protection: The pump stops working automatically when there is no water in the well,
and automatically start working 30 minutes later.
- 9、 Controller:
 - (1) Waterproof grade: IP65
 - (2) Ambient temperature: –15℃~60℃
 - (3) MPPT function, the solar power utilization rate is higher.
 - (4) Automatic charging function: Guarantee the pump normally working, meanwhile charge the battery;
And when there is no sunshine, the battery can make the pump continuously working.
 - (5) LED displays the power, voltage, current, speed etc working condition.
 - (6) Frequency conversion function: It can automatically run with frequency conversion according to the solar power,
and user also can change the speed of pump manually.
 - (7) Automatically start and stop working.
 - (8) Water proof and leak-proof: Double seal effect.
 - (9) Soft start: No impulse current, protect the pump motor.
 - (10) High voltage/Low voltage/Over-current/High temperature protection
- 10、 2 years warranty.

Figure 1 shows the dimensions of the inverter. The DC controller (left) has dimensions A (height), B (width), and C (depth). The AC/DC controller (middle) has dimensions W (width), H (height), and H1 (height to the top of the display). The AC/DC controller also has a depth dimension D.

Fault Type Of DC Controller			
Fault Code	Fault Description	Causes and Solutions of Fault	Recovery Procedure
P0	Hardware Overcurrent	⌚ Motor model is mismatch, please choose matching pumps ⌚ UVW three-phase short-circuit connection, please rewiring to ensure the normal installation of UVW	Automatically remove after 30s
P43	Phase Protection	UVW three-phase open circuit, please rewiring to ensure it reliable contact.	Automatically remove after 30s
P46	Stall Protection	⌚ Motor model is mismatch, please choose matching pumps ⌚ Pump extension cord is too long, please reduce the extension cord ⌚ Power is too low, increase the power supply ⌚ Pump bearing is stuck, please clean pump bearings	Automatically remove after 30s
P49	Software Overcurrent	⌚ Water pump bearing stuck, clean pump bearings ⌚ UVW three-phase short-circuit connection, please rewiring to ensure the normal installation of UVW	Automatically remove after 30s
P50	Low Voltage Protection	The input voltage is too low, please distribute power refer to the electrical characteristics.	Voltage return to normal, remove the fault immediately
P51	High Voltage Protection	The input voltage is too high, please distribute power refer to the electrical characteristics.	Voltage return to normal, remove the fault immediately
P48	Dry-run Protection	⌚ Not all of air in the pump is exhausted, cut off the power, re-power and start the pump drainage after 30 seconds ⌚ There is no water in the water tank waiting for water, it will restart	Automatically clear after 30 minutes or re-power to clear
P60	High Temperature Protection	The temperature of controller MCU is more than 90° C	Automatically clear after the temperature is normal
E8	Current Sampling Failure	Cut off the power and restart after 30 seconds	Restart the power
PL	Power Shortage	⌚ No sunlight, waiting for the sunlight to restart ⌚ Solar panel matching error, refer to the recommendation to match correctly	At the first 5 times, it will removal after 30 seconds, and then 30 minutes to removal
ALARM	Reverse connection protect	Exchange the positive and negative wire	Restart the power



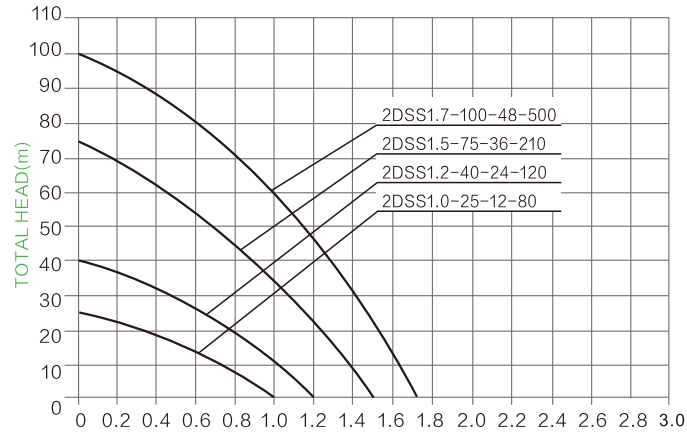
SYSTEM INSTALLATION DRAWING



WORKING ENVIRONMENT AND ELECTRICAL PROPERTY

Controller and Pump Matching Method					
Controller Model	Adaptable Pump	Max.Input Current (A)	Max.Open Circuit Voltage (V)	MPPT Voltage Range (V)	Working Temperature (°C)
DF-12	Rated 12V Pump	15	<48	30-48	-15-60
DF-24	Rated 24V Pump	15	<48	30-48	-15-60
DF-36	Rated 36V Pump	15	<48	30-58	-15-60
DF-48	Rated 48V Pump	15	<100	60-90	-15-60
DF-72	Rated 72V Pump	15	<150	90-120	-15-60
DF-110	Rated 110V Pump	15	<200	110-150	-15-60
DF-220	Rated 220V Pump	15	<450	300-400	-15-60
DF-380	Rated 380V Pump	15	<800	480-750	-15-60

HYDRAULIC PERFORMANCE CURVES



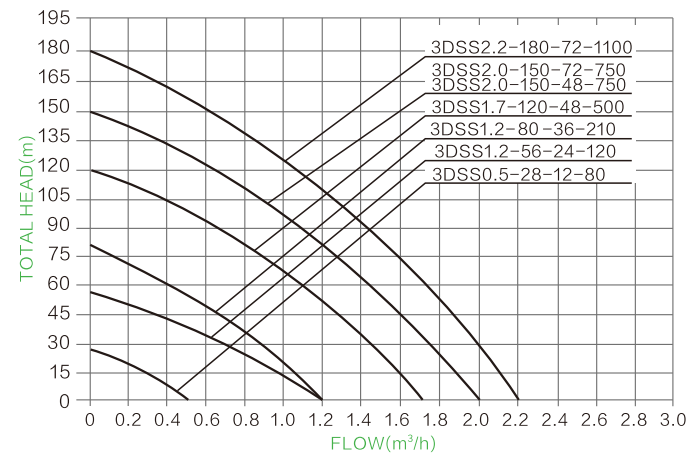
TECHNICAL DATA

ITEM	Voltage	Best input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
2DSS1.0-25-12-80	12V	20V-36V	80W	1.0m³/h	25m	0.75"	2m	<50V	≥1.3*PUMP POWER
2DSS1.2-40-24-120	24V	30V-48V	120W	1.2m³/h	40m	0.75"	2m	<50V	≥1.3*PUMP POWER
2DSS1.5-75-36-210	36V	30V-48V	210W	1.5m³/h	75m	0.75"	2m	<50V	≥1.3*PUMP POWER
2DSS1.7-100-48-500	48V	60V-90V	500W	1.7m³/h	100m	0.75"	2m	<100V	≥1.3*PUMP POWER

3DSS

3"DC BRUSHLESS SCREW SOLAR PUMP

HYDRAULIC PERFORMANCE CURVES



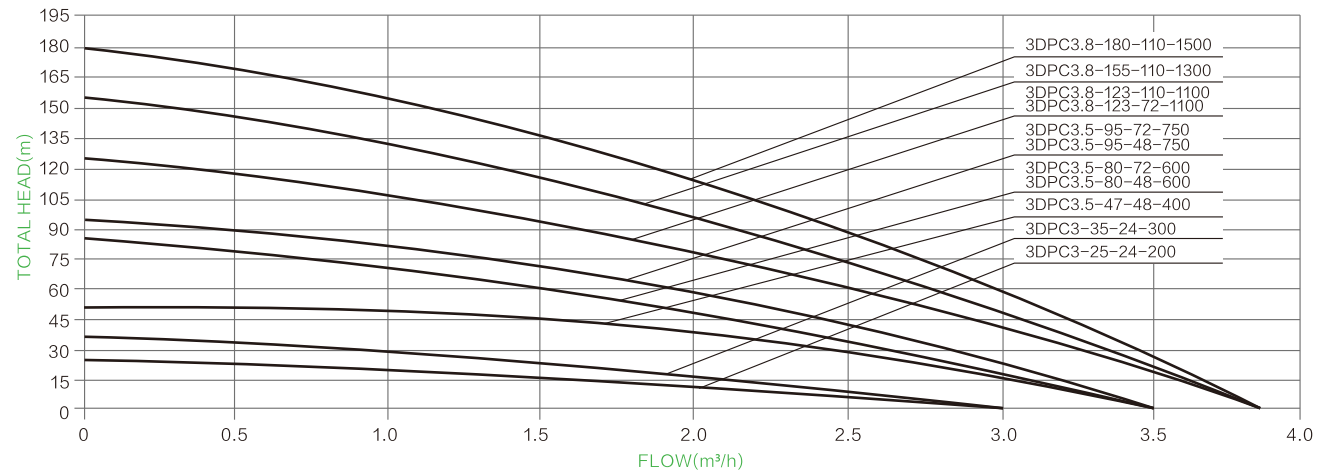
TECHNICAL DATA

ITEM	Voltage	Best input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
3DSS0.5-28-12-80	12V	20V-36V	80W	0.5m³/h	28m	0.75"	2m	<50V	≥1.3*PUMP POWER
3DSS1.2-56-24-120	24V	30V-48V	120W	1.2m³/h	56m	0.75"	2m	<50V	≥1.3*PUMP POWER
3DSS1.2-80-36-210	36V	30V-48V	210W	1.2m³/h	80m	0.75"	2m	<50V	≥1.3*PUMP POWER
3DSS1.7-120-48-500	48V	60V-90V	500W	1.7m³/h	120m	0.75"	2m	<100V	≥1.3*PUMP POWER
3DSS2.0-150-48-750	48V	60V-90V	750W	2.0m³/h	150m	0.75"	2m	<100V	≥1.3*PUMP POWER
3DSS2.0-150-72-750	72V	90V-120V	750W	2.0m³/h	150m	0.75"	2m	<150V	≥1.3*PUMP POWER
3DSS2.2-180-72-1100	72V	90V-120V	1100W	2.2m³/h	180m	0.75"	2m	<150V	≥1.3*PUMP POWER

FREE SPARE PARTS



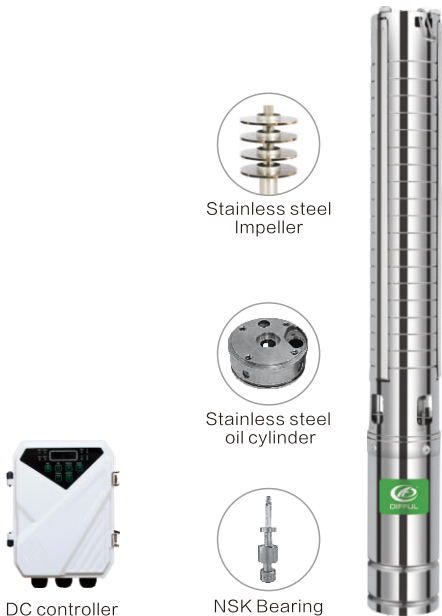
HYDRAULIC PERFORMANCE CURVES



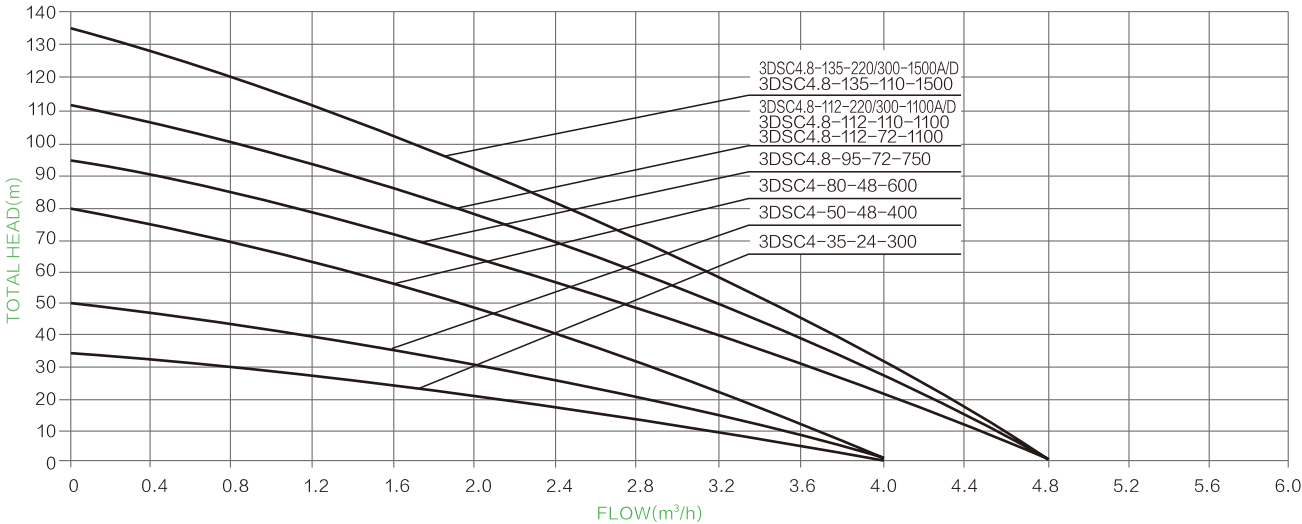
TECHNICAL DATA

ITEM	Voltage	Best input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
3DPC3-25-24-200	24V	30V-48V	200W	3.0m³/h	25m	1.25"	2m	<50V	≥1.3*PUMP POWER
3DPC3-35-24-300	24V	30V-48V	300W	3.0m³/h	35m	1.25"	2m	<50V	≥1.3*PUMP POWER
3DPC3.5-47-48-400	48V	60V-90V	400W	3.5m³/h	47m	1.25"	2m	<100V	≥1.3*PUMP POWER
3DPC3.5-80-48-600	48V	60V-90V	600W	3.5m³/h	80m	1.25"	2m	<100V	≥1.3*PUMP POWER
3DPC3.5-80-72-600	72V	90V-120V	600W	3.5m³/h	80m	1.25"	2m	<150V	≥1.3*PUMP POWER
3DPC3.5-95-48-750	48V	60V-90V	750W	3.5m³/h	95m	1.25"	2m	<100V	≥1.3*PUMP POWER
3DPC3.5-95-72-750	72V	90V-120V	750W	3.5m³/h	95m	1.25"	2m	<150V	≥1.3*PUMP POWER
3DPC3.8-123-72-1100	72V	90V-120V	1100W	3.8m³/h	123m	1.25"	2m	<150V	≥1.3*PUMP POWER
3DPC3.8-123-110-1100	110V	110V-150V	1100W	3.8m³/h	123m	1.25"	2m	<200V	≥1.3*PUMP POWER
3DPC3.8-155-110-1300	110V	110V-150V	1300W	3.8m³/h	155m	1.25"	2m	<200V	≥1.3*PUMP POWER
3DPC3.8-180-110-1500	110V	110V-150V	1500W	3.8m³/h	180m	1.25"	2m	<200V	≥1.3*PUMP POWER

FREE SPARE PARTS



PERFORMANCE CURVES

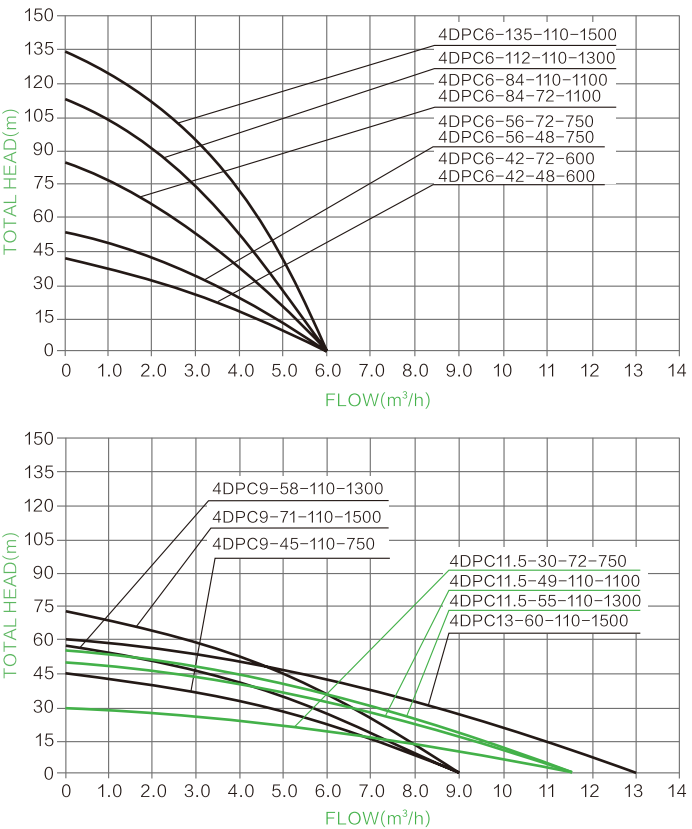


TECHNICAL DATA

ITEM	Voltage	Best input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
3DSC4-35-24-300	24V	30V-48V	300W	4m³/h	35m	1.25"	2m	<50V	≥1.3*PUMP POWER
3DSC4-50-48-400	48V	60V-90V	400W	4m³/h	50m	1.25"	2m	<100V	≥1.3*PUMP POWER
3DSC4-80-48-600	48V	60V-90V	600W	4m³/h	80m	1.25"	2m	<100V	≥1.3*PUMP POWER
3DSC4.8-95-72-750	72V	90V-120V	750W	4.8m³/h	95m	1.25"	2m	<150V	≥1.3*PUMP POWER
3DSC4.8-112-72-1100	72V	90V-120V	1100W	4.8m³/h	112m	1.25"	2m	<150V	≥1.3*PUMP POWER
3DSC4.8-112-110-1100	110V	110V-150V	1100W	4.8m³/h	112m	1.25"	2m	<200V	≥1.3*PUMP POWER
3DSC4.8-135-110-1500	110V	110V-150V	1500W	4.8m³/h	135m	1.25"	2m	<200V	≥1.3*PUMP POWER
3DSC4.8-112-220/300-1100A/D	AC220/DC300V	300V/400V	1100W	4.8m³/h	112m	1.25"	2m	<450V	≥1.3*PUMP POWER
3DSC4.8-135-220/300-1500A/D	AC220/DC300V	300V/400V	1500W	4.8m³/h	135m	1.25"	2m	<450V	≥1.3*PUMP POWER



PERFORMANCE CURVES



FREE SPARE PARTS



TECHNICAL DATA

ITEM	Voltage	Best input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
4DPC6-42-48-600	48V	60V-90V	600W	6.0m³/h	42m	1.25"	2m	<100V	≥1.3*PUMP POWER
4DPC6-42-72-600	72V	90V-120V	600W	6.0m³/h	42m	1.25"	2m	<150V	≥1.3*PUMP POWER
4DPC6-56-48-750	48V	60V-90V	750W	6.0m³/h	56m	1.25"	2m	<100V	≥1.3*PUMP POWER
4DPC6-56-72-750	72V	90V-120V	750W	6.0m³/h	56m	1.25"	2m	<150V	≥1.3*PUMP POWER
4DPC6-84-72-1100	72V	90V-120V	1100W	6.0m³/h	84m	1.25"	2m	<150V	≥1.3*PUMP POWER
4DPC6-84-110-1100	110V	110V-150V	1100W	6.0m³/h	84m	1.25"	2m	<200V	≥1.3*PUMP POWER
4DPC6-112-110-1300	110V	110V-150V	1300W	6.0m³/h	112m	1.25"	2m	<200V	≥1.3*PUMP POWER
4DPC6-135-110-1500	110V	110V-150V	1500W	6.0m³/h	135m	1.25"	2m	<200V	≥1.3*PUMP POWER
4DPC9-45-110-750	110V	110V-150V	750W	9.0m³/h	45m	2"	2m	<150V	≥1.3*PUMP POWER
4DPC9-58-110-1300	110V	110V-150V	1300W	9.0m³/h	58m	2"	2m	<200V	≥1.3*PUMP POWER
4DPC9-71-110-1500	110V	110V-150V	1500W	9.0m³/h	71m	2"	2m	<200V	≥1.3*PUMP POWER
4DPC11.5-30-72-750	72V	90V-120V	750W	11.5m³/h	30m	2"	2m	<150V	≥1.3*PUMP POWER
4DPC11.5-49-110-1100	110V	110V-150V	1100W	11.5m³/h	49m	2"	2m	<200V	≥1.3*PUMP POWER
4DPC11.5-55-110-1300	110V	110V-150V	1300W	11.5m³/h	55m	2"	2m	<200V	≥1.3*PUMP POWER
4DPC13-60-110-1500	110V	110V-150V	1500W	13.0m³/h	60m	2"	2m	<200V	≥1.3*PUMP POWER



Stainless steel
Impeller



Stainless steel
oil cylinder

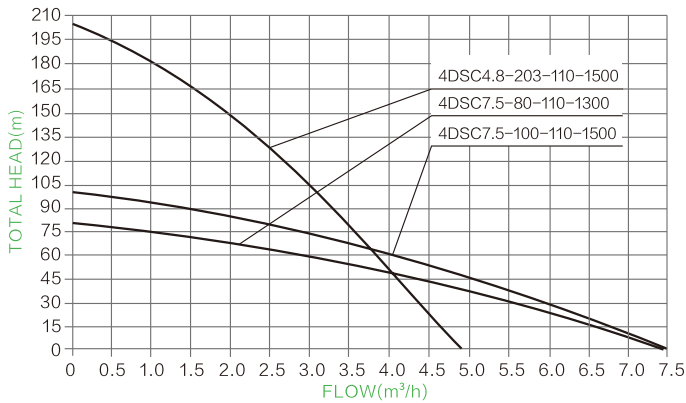
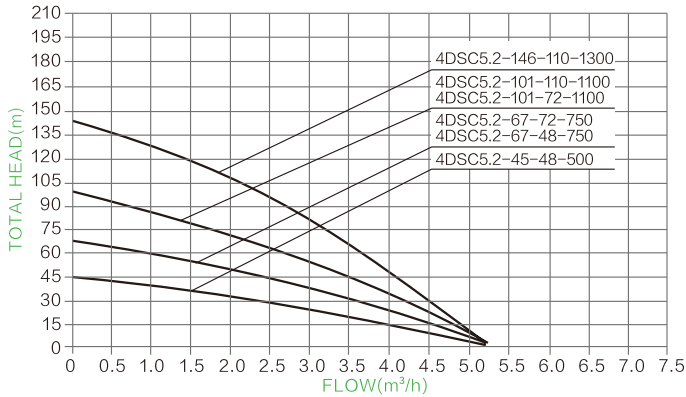


NSK Bearing



DC controller

PERFORMANCE CURVES



FREE SPARE PARTS



TECHNICAL DATA

ITEM	Voltage	Best input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
4DSC5.2-45-48-500	48V	60V-90V	500W	5.2m³/h	45m	1.25"	2m	<100V	≥1.3*PUMP POWER
4DSC5.2-67-48-750	48V	60V-90V	750W	5.2m³/h	67m	1.25"	2m	<100V	≥1.3*PUMP POWER
4DSC5.2-67-72-750	72V	90V-120V	750W	5.2m³/h	67m	1.25"	2m	<150V	≥1.3*PUMP POWER
4DSC5.2-101-72-1100	72V	90V-120V	1100W	5.2m³/h	101m	1.25"	2m	<150V	≥1.3*PUMP POWER
4DSC5.2-101-110-1100	110V	110V-150V	1100W	5.2m³/h	101m	1.25"	2m	<200V	≥1.3*PUMP POWER
4DSC5.2-146-110-1300	110V	110V-150V	1300W	5.2m³/h	146m	1.25"	2m	<200V	≥1.3*PUMP POWER
4DSC4.8-203-110-1500	110V	110V-150V	1500W	4.8m³/h	203m	1.25"	2m	<200V	≥1.3*PUMP POWER
4DSC7.5-80-110-1300	110V	110V-150V	1300W	7.5m³/h	80m	1.25"	2m	<200V	≥1.3*PUMP POWER
4DSC7.5-100-110-1500	110V	110V-150V	1500W	7.5m³/h	100m	1.25"	2m	<200V	≥1.3*PUMP POWER



Stainless steel
Impeller



Stainless steel
oil cylinder



NSK Bearing

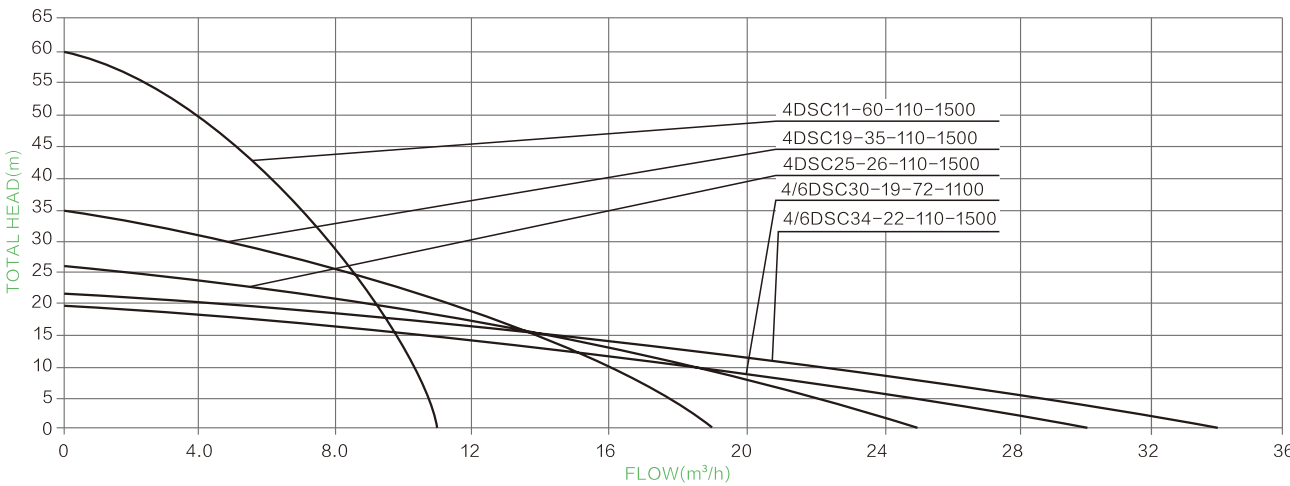


DC controller

FREE SPARE PARTS



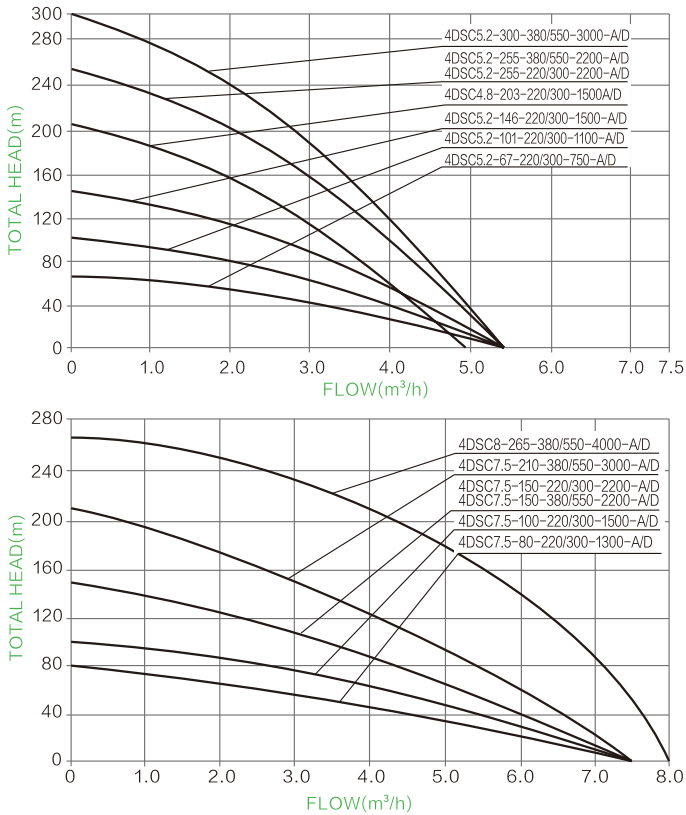
PERFORMANCE CURVES



TECHNICAL DATA

ITEM	Voltage	Best input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
4DSC11-60-110-1500	110V	110V-150V	1500W	11m³/h	60m	2"	2m	<200V	≥1.3*PUMP POWER
4DSC19-35-110-1500	110V	110V-150V	1500W	19m³/h	35m	2"	2m	<200V	≥1.3*PUMP POWER
4DSC25-26-110-1500	110V	110V-150V	1500W	25m³/h	26m	2"	2m	<200V	≥1.3*PUMP POWER
4/6DSC30-19-72-1100	72V	90V-120V	1100W	30m³/h	19m	3"	2m	<150V	≥1.3*PUMP POWER
4/6DSC34-22-110-1500	110V	110V-150V	1500W	34m³/h	22m	3"	2m	<200V	≥1.3*PUMP POWER

PERFORMANCE CURVES



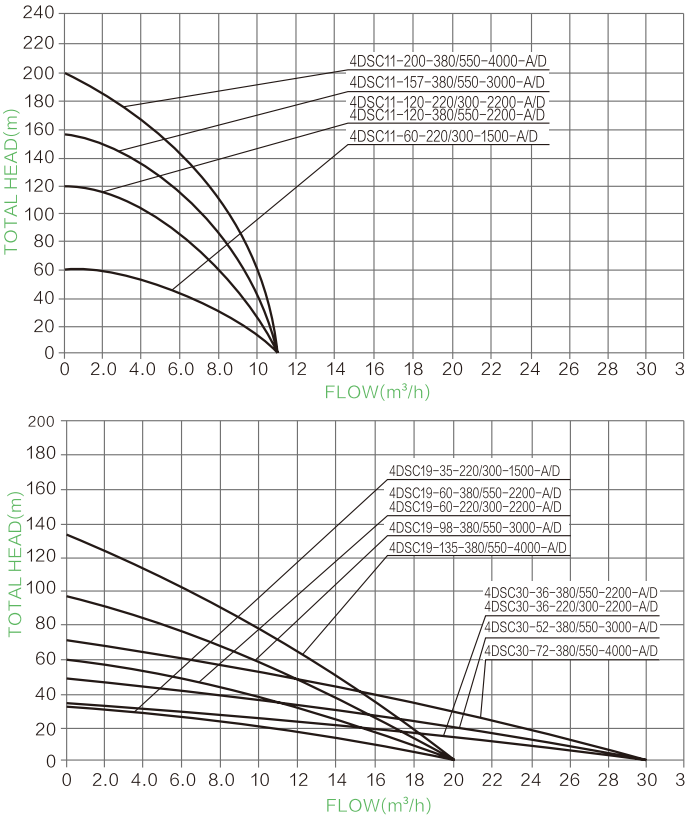
FREE SPARE PARTS



TECHNICAL DATA

ITEM	Voltage	Best input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
4DSC5.2-67-220/300-750-A/D	AC220/DC300V	300V/400V	750W	5.2m³/h	67m	1.25"	2m	<450V	≥1.3*PUMP POWER
4DSC4.8-203-220/300-1500A/D	AC220/DC300V	300V/400V	1500W	4.8m³/h	203m	1.25"	2m	<450V	≥1.3*PUMP POWER
4DSC5.2-101-220/300-1100-A/D	AC220/DC300V	300V/400V	1100W	5.2m³/h	101m	1.25"	2m	<450V	≥1.3*PUMP POWER
4DSC5.2-146-220/300-1500-A/D	AC220/DC300V	300V/400V	1500W	5.2m³/h	146m	1.25"	2m	<450V	≥1.3*PUMP POWER
4DSC5.2-255-220/300-2200-A/D	AC220/DC300V	300V/400V	2200W	5.2m³/h	255m	1.25"	2m	<450V	≥1.3*PUMP POWER
4DSC5.2-255-380/550-2200-A/D	AC380/DC550V	480V/750V	2200W	5.2m³/h	255m	1.25"	2m	<800V	≥1.3*PUMP POWER
4DSC5.2-300-380/550-3000-A/D	AC380/DC550V	480V/750V	3000W	5.2m³/h	300m	1.25"	2m	<800V	≥1.3*PUMP POWER
4DSC7.5-80-220/300-1300-A/D	AC220/DC300V	300V/400V	1300W	7.5m³/h	80m	1.25"	2m	<450V	≥1.3*PUMP POWER
4DSC7.5-100-220/300-1500-A/D	AC220/DC300V	300V/400V	1500W	7.5m³/h	100m	1.25"	2m	<450V	≥1.3*PUMP POWER
4DSC7.5-150-220/300-2200-A/D	AC220/DC300V	300V/400V	2200W	7.5m³/h	150m	1.25"	2m	<450V	≥1.3*PUMP POWER
4DSC7.5-150-380/550-2200-A/D	AC380/DC550V	480V/750V	2200W	7.5m³/h	150m	1.25"	2m	<800V	≥1.3*PUMP POWER
4DSC7.5-210-380/550-3000-A/D	AC380/DC550V	480V/750V	3000W	7.5m³/h	210m	1.25"	2m	<800V	≥1.3*PUMP POWER
4DSC8-272-380/550-4000-A/D	AC380/DC550V	480V/750V	4000W	8m³/h	272m	1.25"	2m	<800V	≥1.3*PUMP POWER

PERFORMANCE CURVES



FREE SPARE PARTS



TECHNICAL DATA

ITEM	Voltage	Best input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
4DSC11-60-220/300-1500-A/D	AC220/DC300V	300V/400V	1500W	11m³/h	60m	2"	2m	<450V	≥1.3*PUMP POWER
4DSC11-120-220/300-2200A/D	AC220/DC300V	300V/400V	2200W	11m³/h	120m	2"	2m	<450V	≥1.3*PUMP POWER
4DSC11-120-380/550-2200-A/D	AC380/DC550V	480V/750V	2200W	11m³/h	120m	2"	2m	<800V	≥1.3*PUMP POWER
4DSC11-157-380/550-3000-A/D	AC380/DC550V	480V/750V	3000W	11m³/h	157m	2"	2m	<800V	≥1.3*PUMP POWER
4DSC11-200-380/550-4000-A/D	AC380/DC550V	480V/750V	4000W	11m³/h	200m	2"	2m	<800V	≥1.3*PUMP POWER
4DSC19-35-220/300-1500-A/D	AC220/DC300V	300V/400V	1500W	19m³/h	35m	2"	2m	<450V	≥1.3*PUMP POWER
4DSC19-60-220/300-2200-A/D	AC220/DC300V	300V/400V	2200W	19m³/h	60m	2"	2m	<450V	≥1.3*PUMP POWER
4DSC19-60-380/550-2200-A/D	AC380/DC550V	480V/750V	2200W	19m³/h	60m	2"	2m	<800V	≥1.3*PUMP POWER
4DSC19-98-380/550-3000-A/D	AC380/DC550V	480V/750V	3000W	19m³/h	98m	2"	2m	<800V	≥1.3*PUMP POWER
4DSC19-135-380/550-4000-A/D	AC380/DC550V	480V/750V	4000W	19m³/h	135m	2"	2m	<800V	≥1.3*PUMP POWER
4DSC30-36-220/300-2200-A/D	AC220/DC300V	300V/400V	2200W	30m³/h	36m	2"	2m	<450V	≥1.3*PUMP POWER
4DSC30-36-380/550-2200-A/D	AC380/DC550V	480V/750V	2200W	30m³/h	36m	2"	2m	<800V	≥1.3*PUMP POWER
4DSC30-52-380/550-3000-A/D	AC380/DC550V	480V/750V	3000W	30m³/h	52m	2"	2m	<800V	≥1.3*PUMP POWER
4DSC30-74-380/550-4000-A/D	AC380/DC550V	480V/750V	4000W	30m³/h	74m	2"	2m	<800V	≥1.3*PUMP POWER



4/6DSC-A/D

6" AC/DC BRUSHLESS SOLAR PUMP WITH S/S IMPELLER

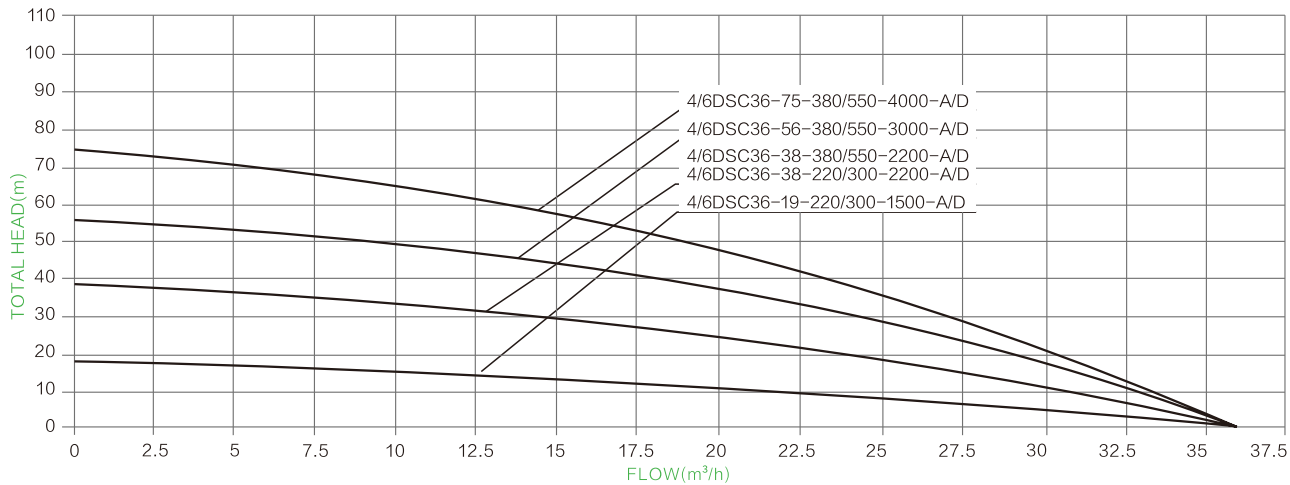
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FREE SPARE PARTS



PERFORMANCE CURVES



TECHNICAL DATA

ITEM	Voltage	Best input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
4/6DSC36-19-220/300-1500-A/D	AC220/DC300V	300V-400V	1500W	36m³/h	19m	3"	2m	<450V	≥1.3*PUMP POWER
4/6DSC36-38-220/300-2200-A/D	AC220/DC300V	300V-400V	2200W	36m³/h	38m	3"	2m	<450V	≥1.3*PUMP POWER
4/6DSC36-38-380/550-2200-A/D	AC380/DC550V	480V-750V	2200W	36m³/h	38m	3"	2m	<800V	≥1.3*PUMP POWER
4/6DSC36-56-380/550-3000-A/D	AC380/DC550V	480V-750V	3000W	36m³/h	56m	3"	2m	<800V	≥1.3*PUMP POWER
4/6DSC36-75-380/550-4000-A/D	AC380/DC550V	480V-750V	4000W	36m³/h	75m	3"	2m	<800V	≥1.3*PUMP POWER

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6DSC-A/D

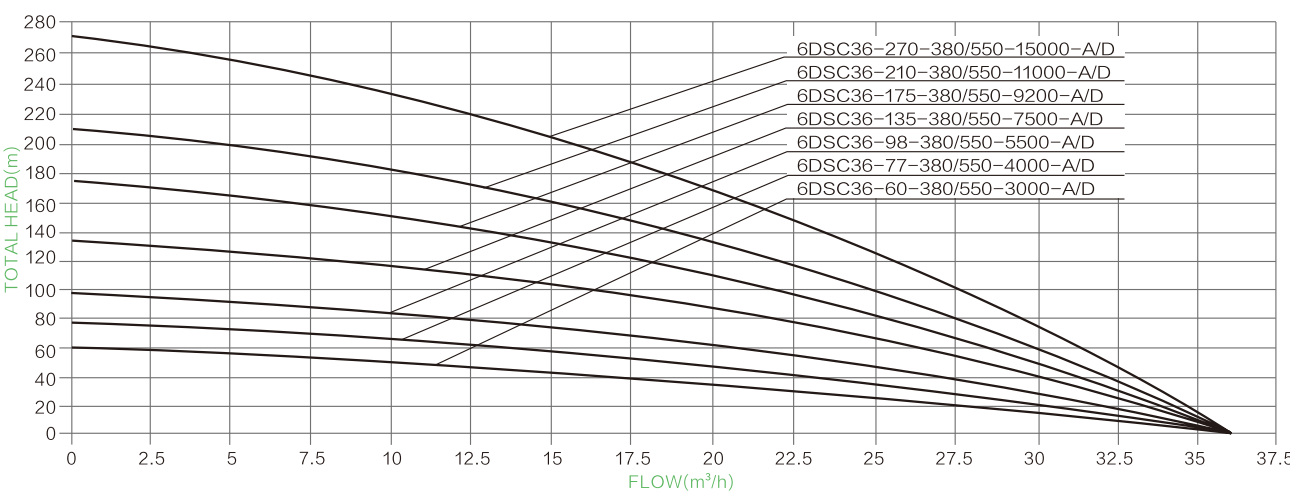
6" AC/DC BRUSHLESS SOLAR PUMP WITH S/S IMPELLER



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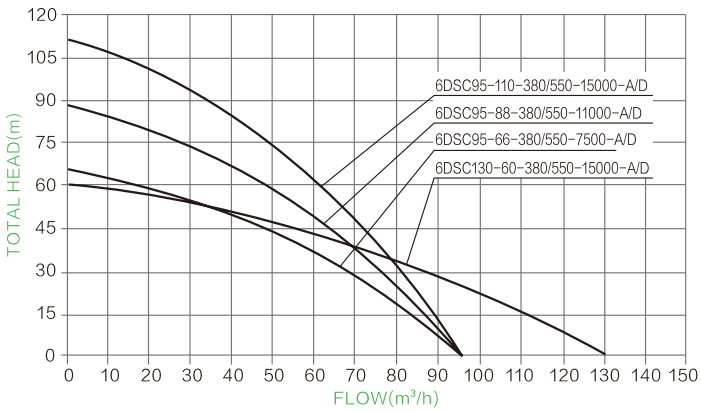
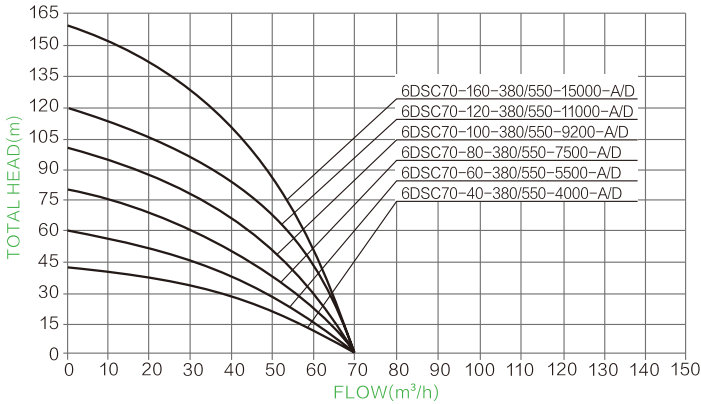
PERFORMANCE CURVES



TECHNICAL DATA

ITEM	Voltage	Best input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
6DSC36-60-380/550-3000-A/D	AC380/DC550V	480V-750V	3000W	36m³/h	60m	3"	2m	<800V	≥1.3*PUMP POWER
6DSC36-77-380/550-4000-A/D	AC380/DC550V	480V-750V	4000W	36m³/h	77m	3"	2m	<800V	≥1.3*PUMP POWER
6DSC36-98-380/550-5500-A/D	AC380/DC550V	480V-750V	5500W	36m³/h	98m	3"	2m	<800V	≥1.3*PUMP POWER
6DSC36-135-380/550-7500-A/D	AC380/DC550V	480V-750V	7500W	36m³/h	135m	3"	2m	<800V	≥1.3*PUMP POWER
6DSC36-175-380/550-9200-A/D	AC380/DC550V	480V-750V	9200W	36m³/h	175m	3"	2m	<800V	≥1.3*PUMP POWER
6DSC36-210-380/550-11000-A/D	AC380/DC550V	480V-750V	11000W	36m³/h	210m	3"	2m	<800V	≥1.3*PUMP POWER
6DSC36-270-380/550-15000-A/D	AC380/DC550V	480V-750V	15000W	36m³/h	270m	3"	2m	<800V	≥1.3*PUMP POWER

PERFORMANCE CURVES

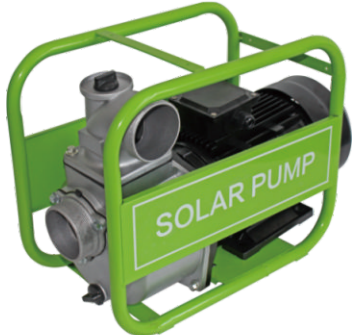


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TECHNICAL DATA

ITEM	Voltage	Best input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
6DSC70-40-380/550-4000-A/D	AC380/DC550V	480V-750V	4000W	70m³/h	40m	4"	2m	<800V	≥1.3*PUMP POWER
6DSC70-60-380/550-5500-A/D	AC380/DC550V	480V-750V	5500W	70m³/h	60m	4"	2m	<800V	≥1.3*PUMP POWER
6DSC70-80-380/550-7500-A/D	AC380/DC550V	480V-750V	7500W	70m³/h	80m	4"	2m	<800V	≥1.3*PUMP POWER
6DSC70-100-380/550-9200-A/D	AC380/DC550V	480V-750V	9200W	70m³/h	100m	4"	2m	<800V	≥1.3*PUMP POWER
6DSC70-120-380/550-11000-A/D	AC380/DC550V	480V-750V	11000W	70m³/h	120m	4"	2m	<800V	≥1.3*PUMP POWER
6DSC70-160-380/550-15000-A/D	AC380/DC550V	480V-750V	15000W	70m³/h	160m	4"	2m	<800V	≥1.3*PUMP POWER
6DSC95-66-380/550-7500-A/D	AC380/DC550V	480V-750V	7500W	95m³/h	66m	4"	2m	<800V	≥1.3*PUMP POWER
6DSC95-88-380/550-11000-A/D	AC380/DC550V	480V-750V	11000W	95m³/h	88m	4"	2m	<800V	≥1.3*PUMP POWER
6DSC95-110-380/550-15000-A/D	AC380/DC550V	480V-750V	15000W	95m³/h	110m	4"	2m	<800V	≥1.3*PUMP POWER
6DSC130-60-380/550-15000-A/D	AC380/DC550V	480V-750V	15000W	130m³/h	60m	4"	2m	<800V	≥1.3*PUMP POWER



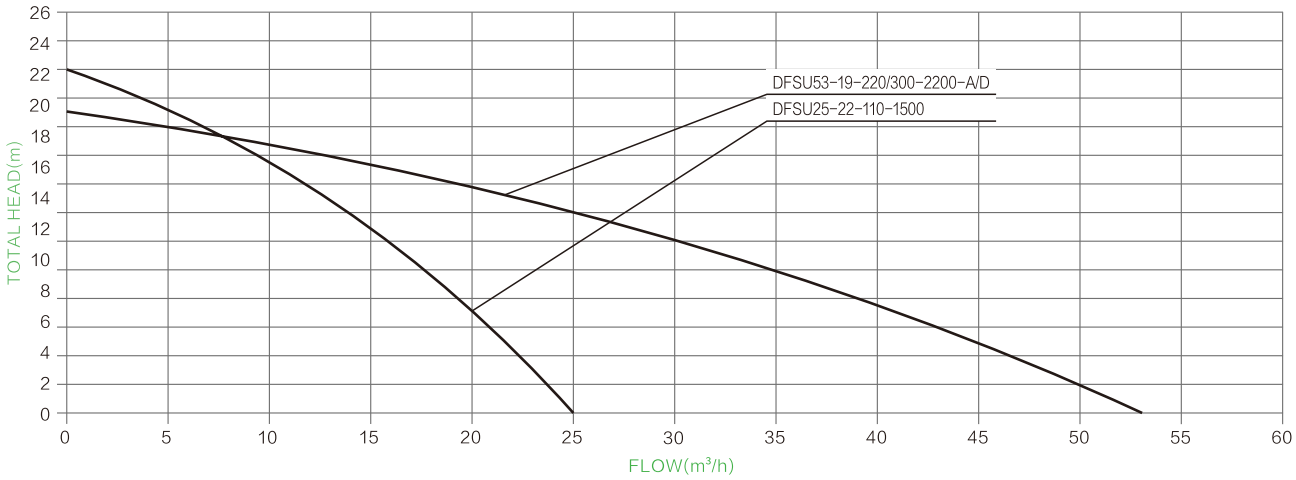
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DC controller

AC/DC controller

PERFORMANCE CURVES



TECHNICAL DATA

ITEM	Voltage	Best input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
DFSU25-22-110-1500	110V	110V-150V	1500W	25m³/h	22m	2"	2m	<200V	≥1.3*PUMP POWER
DFSU53-19-220/300-2200-A/D	AC220/DC300V	300V-400V	2200W	53m³/h	19m	3"	2m	<450V	≥1.3*PUMP POWER



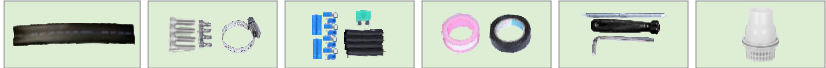
DCPM/ DCPM-A/D

DC and AC/DC BRUSHLESS CENTRIFUGAL SOLAR PUMP

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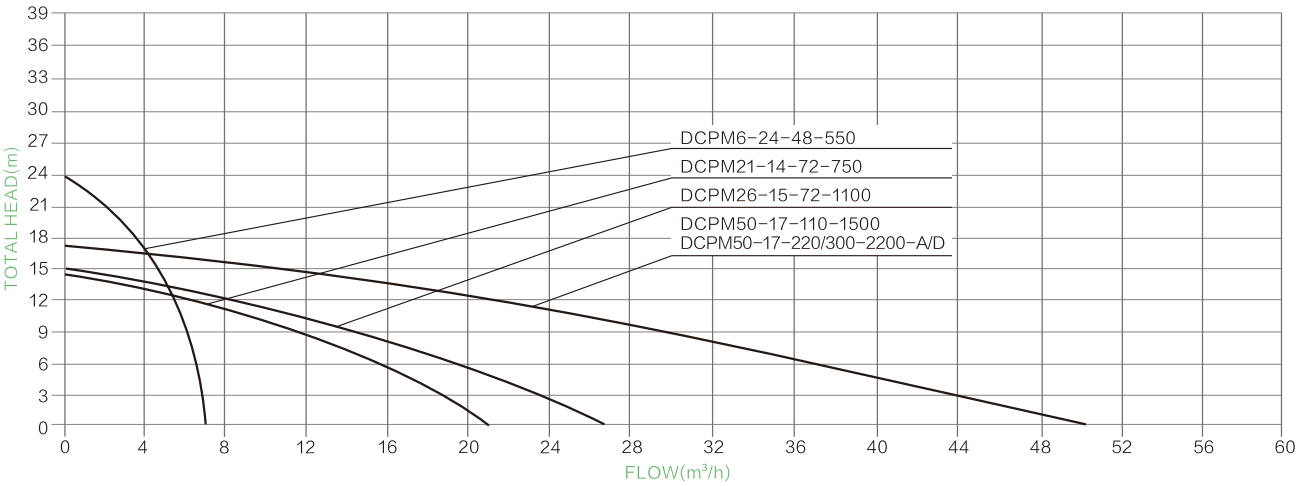


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DC controller AC/DC controller

PERFORMANCE CURVES



TECHNICAL DATA

ITEM	Voltage	Best input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
DCPM6-24-48-550	48V	60V-90V	550W	6m³/h	24m	1"	2m	<100V	≥1.3*PUMP POWER
DCPM21-14-72-750	72V	90V-120V	750W	21m³/h	14m	2"	2m	<150V	≥1.3*PUMP POWER
DCPM26-15-72-1100	72V	90V-120V	1100W	26m³/h	15m	2"	2m	<150V	≥1.3*PUMP POWER
DCPM50-17-110-1500	110V	110V-150V	1500W	50m³/h	17m	3"	2m	<200V	≥1.3*PUMP POWER
DCPM50-17-220/300-2200-A/D	AC220V DC300V	300V-400V	2200W	50m³/h	17m	3"	2m	<450V	≥1.3*PUMP POWER

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DQB/DQB-A/D/

DC and AC/DC BRUSHLESS SURFACE SOLAR PUMP

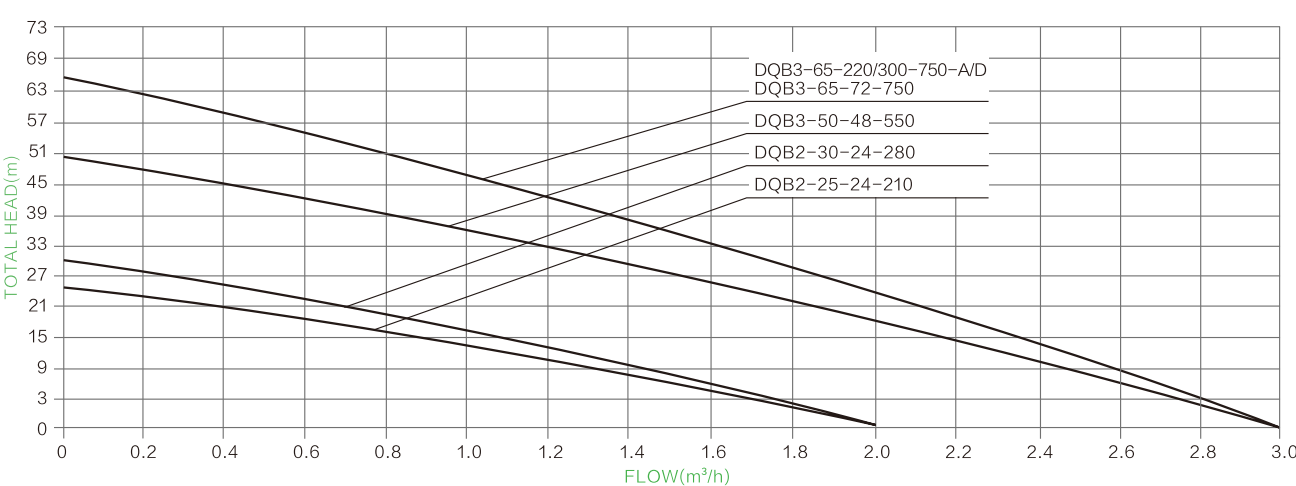


FREE SPARE PARTS



DC controller AC/DC controller

PERFORMANCE CURVES



TECHNICAL DATA

ITEM	Voltage	Best input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
DQB2-25-24-210	24V	30V-48V	210W	2m³/h	25m	1X1"	2m	<50V	≥1.3*PUMP POWER
DQB2-30-24-280	24V	30V-48V	280W	2m³/h	30m	1X1"	2m	<50V	≥1.3*PUMP POWER
DQB3-50-48-550	48V	60V-90V	550W	3m³/h	50m	1X1"	2m	<100V	≥1.3*PUMP POWER
DQB3-65-72-750	72V	90V-120V	750W	3m³/h	65m	1X1"	2m	<150V	≥1.3*PUMP POWER
DQB3-65-220/300-750-A/D	AC220V DC300V	300V-400V	750W	3m³/h	65m	1X1"	2m	<450V	≥1.3*PUMP POWER



DLP/DLP-A/D

DC BRUSHLESS SWIMMING POOL SOLAR PUMP

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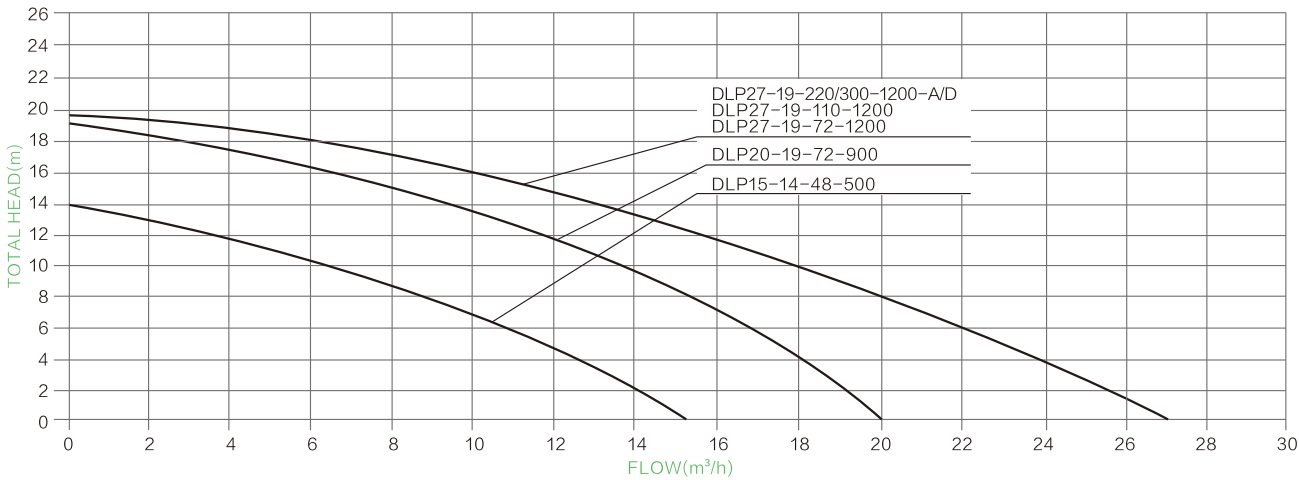


FREE SPARE PARTS



DC controller AC/DC controller

PERFORMANCE CURVES



TECHNICAL DATA

ITEM	Voltage	Best input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
DLP15-14-48-500	48V	60V-90V	500W	15m³/h	14m	2X2"	2m	<100V	≥1.3*PUMP POWER
DLP20-19-72-900	72V	90V-120V	900W	20m³/h	19m	2X2"	2m	<150V	≥1.3*PUMP POWER
DLP27-19-72-1200	72V	90V-120V	1200W	27m³/h	19m	3X3"	2m	<150V	≥1.3*PUMP POWER
DLP27-19-110-1200	110V	110V-150V	1200W	27m³/h	19m	3X3"	2m	<200V	≥1.3*PUMP POWER
DLP27-19-220/300-1200-A/D	AC220V DC300V	300V-400V	1200W	27m³/h	19m	3X3"	2m	<450V	≥1.3*PUMP POWER

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SOLAR AERATOR

BRUSHLESS SOLAR PUMP



Solar Aerator



Solar Paddle Wheel Aerator



Solar Impeller Aerator



DC controller AC/DC controller

SOLAR AERATOR

ITEM	Voltage	Best input voltage(DC)	Power	Covering Area(m²)	Max. Flow	Max. Head	Outlet	Solar panel	
								Open circuit voltage(VOC)	Power
DSA25-5-48-750	48V	60V-90V	750W	333-666	25m³/h	5m	3"	<100V	≥1.3*PUMP POWER
DSA30-7-72-1100	72V	90V-120V	1100W	500-1000	30m³/h	7m	3"	<150V	≥1.3*PUMP POWER
DSA40-6-110-1500	110V	110V-150V	1500W	666-1332	40m³/h	6m	3"	<200V	≥1.3*PUMP POWER
DSA55-5-220/300-2200-A/D	AC220/DC300V	300V-400V	2200W	1000-2000	55m³/h	5m	4"	<450V	≥1.3*PUMP POWER

SOLAR PADDLE WHEEL AERATOR

ITEM	Voltage	Best input voltage(DC)	Power	Oxygenation rate(kgo/h)	Covering Area(m²)	Quantity of impeller	Solar panel	
							Open circuit voltage(VOC)	Power
DSWA-48-750	48V	60V-90V	750W	≥1.1	666-3330	2	<100V	≥1.3*PUMP POWER
DSWA-110-1500	110V	110V-150V	1500W	≥1.9	2000-6660	4	<200V	≥1.3*PUMP POWER
DSWA-220/300-2200-A/D	AC220/DC300V	300V-400V	2200W	≥2.0	2665-8000	6	<450V	≥1.3*PUMP POWER

SOLAR IMPELLER AERATOR

ITEM	Voltage	Best input voltage (DC)	Power	Oxygenation rate(kgo/h)	Covering Area(m²)	Solar panel	
						Open circuit voltage(VOC)	Power
DSIA-48-750	48V	60V-90V	750W	≥1.1	666-2000	<100V	≥1.3*PUMP POWER
DSIA-72-1100	72V	90V-120V	1100W	≥1.6	2000-2665	<150V	≥1.3*PUMP POWER
DSIA-110-1500	110V	110V-150V	1500W	≥2.3	2000-4000	<200V	≥1.3*PUMP POWER
DSIA-220/300-2200-A/D	AC220/DC300V	300V-400V	2200W	≥3.4	2665-5328	<450V	≥1.3*PUMP POWER

Solar panel recommendation for 12V-110V DC solar pump

PUMP POWER 80W-12V Voc: 18V~50V (1) (2) (3) Solar panel:150W*1PCS Solar panel:250W*1PCS Solar panel:300W*1PCS	(19) (20) Solar panel:250W*4PCS Solar panel:300W*4PCS
PUMP POWER 120W-24V 180W-24V 200W-24V 210W-24V 210W-36V Voc: 18V~50V (4) (5) (6) Solar panel:150W*2PCS Solar panel:250W*1PCS Solar panel:300W*1PCS	PUMP POWER 750W-48V Voc: 30V~100V (21) (22) Solar panel:250W*4PCS Solar panel:300W*3PCS
PUMP POWER 280W-24V 300W-24V Voc: 18V~50V (7) (8) Solar panel:250W*2PCS Solar panel:300W*1PCS	PUMP POWER 900W-72V Voc: 50V~150V (23) (24) Solar panel:250W*4PCS Solar panel:300W*4PCS
PUMP POWER 400W-36V Voc: 18V~50V (9) (10) Solar panel:250W*2PCS Solar panel:300W*2PCS	PUMP POWER 1100W-72V Voc: 50V~150V (25) (26) Solar panel:250W*6PCS Solar panel:300W*6PCS
PUMP POWER 370W-48V 400W-48V Voc: 30V~100V (11) (12) Solar panel:250W*2PCS Solar panel:300W*2PCS	PUMP POWER 1100W-110V Voc: 60V~200V (27) (28) Solar panel:250W*6PCS Solar panel:300W*6PCS
PUMP POWER 500W-48V 550W-48V Voc: 30V~100V (13) (14) Solar panel:250W*4PCS Solar panel:300W*2PCS	PUMP POWER 1300W-110V Voc: 60V~200V (29) (30) Solar panel:250W*8PCS Solar panel:300W*6PCS
PUMP POWER 600W-48V Voc: 30V~100V (15) (16) Solar panel:250W*4PCS Solar panel:300W*4PCS	PUMP POWER 1500W-110V Voc: 60V~200V (31) (32) Solar panel:250W*8PCS Solar panel:300W*8PCS
PUMP POWER 600W-72V Voc: 50V~150V (17) (18) Solar panel:250W*3PCS Solar panel:300W*3PCS	

Solar panel recommendation for 220V-380V DC solar pump

PUMP POWER 750W-220V Best DC Vol. 300V~400V AC:220~240V Solar panel:250W*7PCS Solar panel:300W*6PCS	
PUMP POWER 1100W-220V 1200W-220V Best DC Vol. 300V~400V AC:220~240V Solar panel:250W*8PCS Solar panel:300W*7PCS	
PUMP POWER 1300W-220V 1500W-220V Best DC Vol. 300V~400V AC:220~240V Solar panel:250W*10PCS Solar panel:300W*8PCS	

Solar panel recommendation for 220V-380V DC solar pump

PUMP POWER 2200W-220V Best DC Vol. 300V~400V AC:220~240V Solar panel:250W*11PCS Solar panel:300W*9PCS	
PUMP POWER 2200W-380V Best DC Vol. 480V~750V AC:380~440V Solar panel:250W*15PCS Solar panel:300W*13PCS	
PUMP POWER 3000W-380V Best DC Vol. 480V~750V AC:380~440V Solar panel:250W*16PCS Solar panel:300W*14PCS	
PUMP POWER 4000W-380V Best DC Vol. 480V~750V AC:380~440V Solar panel:250W*19PCS Solar panel:300W*17PCS	
PUMP POWER 5500W-380V Best DC Vol. 480V~750V AC:380~440V Solar panel:250W*32PCS Solar panel:300W*28PCS	
PUMP POWER 7500W-380V Best DC Vol. 480V~750V AC:380~440V Solar panel:250W*38PCS Solar panel:300W*34PCS	
PUMP POWER 9200W-380V Best DC Vol. 480V~750V AC:380~440V Solar panel:250W*38PCS Solar panel:300W*34PCS	
PUMP POWER 11000W-380V Best DC Vol. 480V~750V AC:380~440V Solar panel:250W*54PCS Solar panel:300W*48PCS	
PUMP POWER 15000W-380V Best DC Vol. 480V~750V AC:380~440V Solar panel:250W*80PCS Solar panel:300W*68PCS	