

ABOUT US

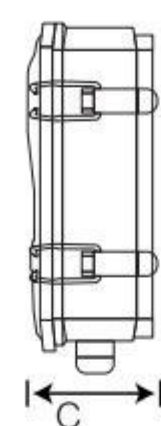
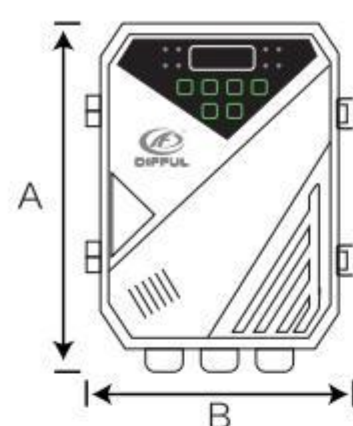
Zhejiang Dingfeng Electrical Appliance Co.,Ltd is a professional manufactory for DC solar pumps,AC/DC hybrid solar pumps, wide voltage solar pumps and water-filled motor solar pumps. Our head office is located in Wenling, Zhejiang, which is established in 1989. And we found our branch plant with 8900m² specially for solar pumps in 2016 in Ningbo,Zhejiang. We have high-precision and fully automatic processing machines, advanced assembling lines and testing machines to improve the quality and efficiency. And we set up our own electronic circuit board workshop to make sure every production process is under control. During the last year, we have exported nearly 190000 pcs of solar pumps all over the world, and got countless buyer praise. We never stop the steps to improve and innovate our solar pumps to reach the different market requirements.



CONTROLLER



DC controller



Wide Voltage HV Controller



AC/DC auto-switching controller (≤2.2KW)



AC/DC auto-switching controller (3KW~4KW)



AC/DC auto-switching controller (5.5KW~22KW)

TECHNICAL DATA

Model	Dimensions (cm)			Weight(kg)
	A	B	C	
DC controller	23.8	18	9.5	1.5
Wide voltage HV controller	24.3	23.5	11	2.2
AC/DC auto-switching controller (≤2.2KW)	24.3	23.5	11	2.3
AC/DC auto-switching controller (3KW~4KW)	32	23	11	2.5

WORKING ENVIRONMENT AND ELECTRICAL PROPERTY

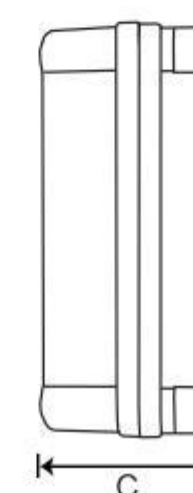
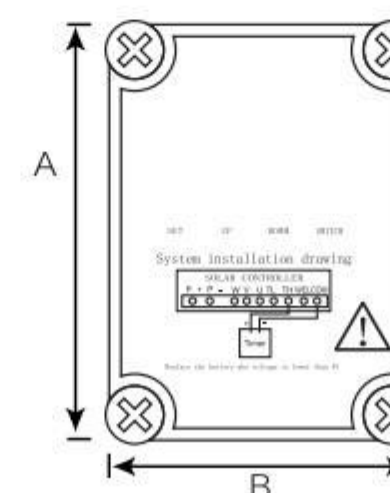
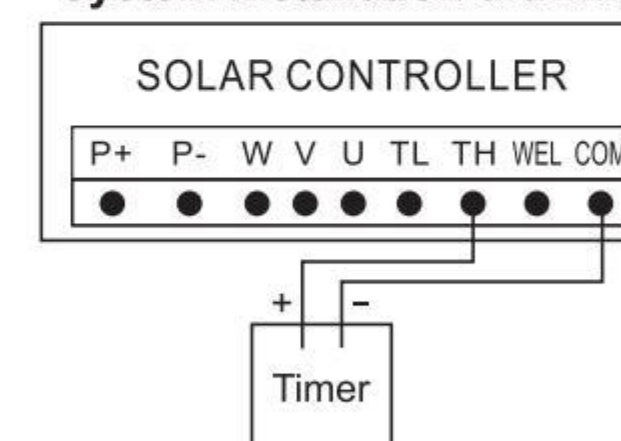
Controller and Pump Matching Method					
Controller Model	Adaptable Pump	Max.Input Current (A)	Max.Open Circuit Voltage (V)	MPPT Voltage Range (V)	Working Temperature (°C)
DF-12	Rated 12V Pump	17	<55	30~48	-15 ~ 60
DF-24	Rated 24V Pump	17	<55	30~48	-15 ~ 60
DF-36	Rated 36V Pump	17	<55	30~48	-15 ~ 60
DF-48	Rated 48V Pump	17	<105	60~90	-15 ~ 60
DF-72	Rated 72V Pump	17	<160	90~120	-15 ~ 60
DF-110	Rated 110V Pump	17	<210	110~150	-15 ~ 60
DF-72-A/D	Rated 72V-A/D Pump	17	<430	100~400	-15 ~ 60
DF-110-A/D	Rated 110V-A/D Pump	17	<430	110~400	-15 ~ 60
DF-150-A/D	Rated 150V-A/D Pump	17	<430	150~400	-15 ~ 60
DF-200-A/D	Rated 200V-A/D Pump	17	<430	200~400	-15 ~ 60
DF-300-A/D	Rated 300V-A/D Pump	17	<430	300~400	-15 ~ 60
DF-380-A/D	Rated 380V-A/D Pump	17	<780	480~750	-15 ~ 60
DF-110-HV	Rated 110V-HV Pump	17	<430	110~400	-15 ~ 60
DF-150-HV	Rated 150V-HV Pump	17	<430	150~400	-15 ~ 60
DF-200-HV	Rated 200V-HV Pump	17	<430	200~400	-15 ~ 60
DF-300-HV	Rated 300V-HV Pump	17	<430	300~400	-15 ~ 60

TIMER FOR SOLAR PUMP

Set the startup and shutdown time to intelligently control the operation of the solar pump. Can be matched with other factory's controllers.



System installation drawing

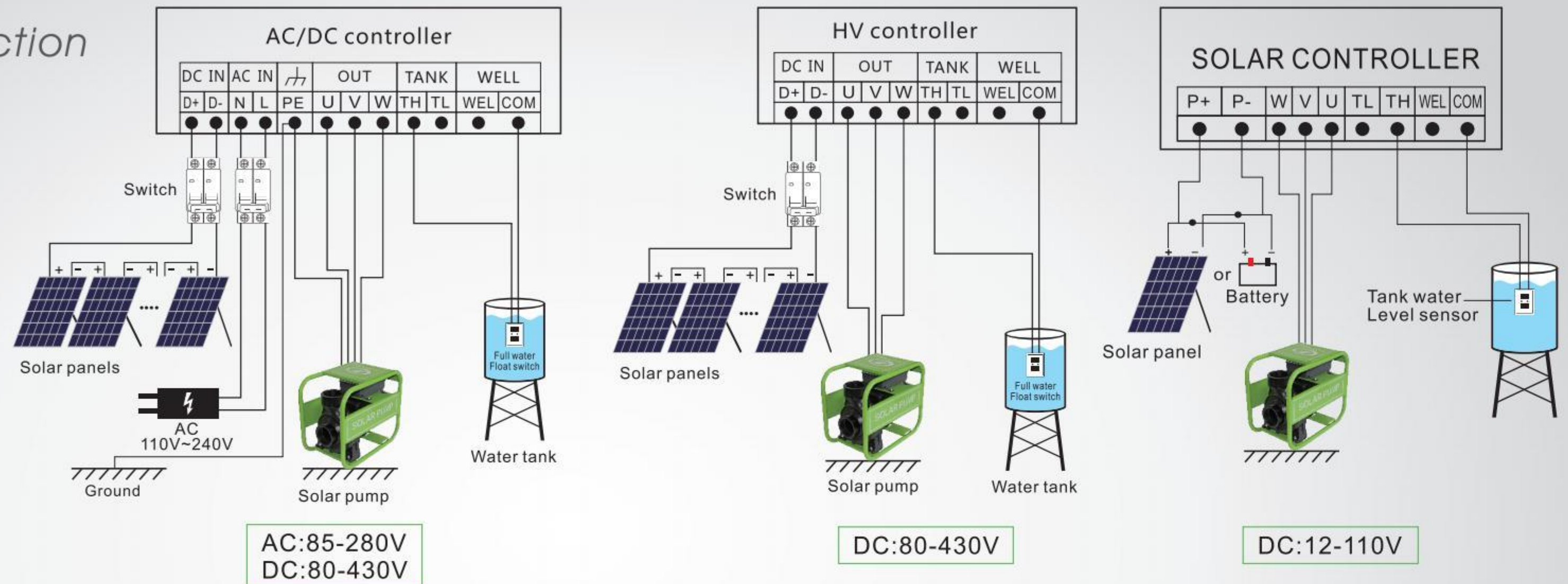


TECHNICAL DATA

Model	Dimensions (cm)			Weight(kg)
	A	B	C	
TIMER	11	8	4.5	0.25

SOLAR SURFACE PUMP

*Environmental protection
and energy saving*



DLP/DLP-A/D

DC&AC/DC BRUSHLESS SWIMMING POOL SOLAR PUMP



DC controller



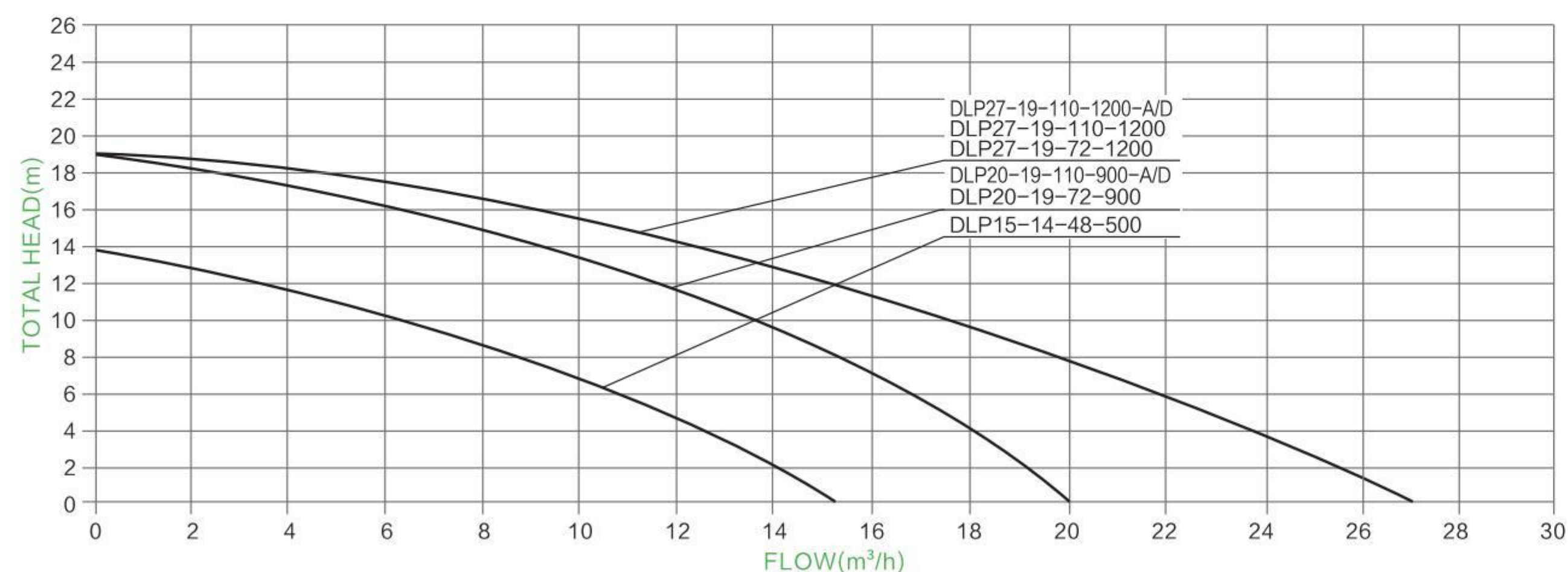
AC/DC auto-switching controller
($\leq 2.2\text{KW}$)

TECHNICAL DATA

ITEM	Voltage	Optimum 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	15m ³ /h	14m	2X2"	2m	<105V	$\geq 1.3 \times \text{PUMP POWER}$
DLP20-19-72-900	72V	90V-120V	900W	20m ³ /h	19m	2X2"	2m	<160V	$\geq 1.3 \times \text{PUMP POWER}$
DLP27-19-72-1200	72V	90V-120V	1200W	27m ³ /h	19m	3X3"	2m	<160V	$\geq 1.3 \times \text{PUMP POWER}$
DLP27-19-110-1200	110V	110V-150V	1200W	27m ³ /h	19m	3X3"	2m	<210V	$\geq 1.3 \times \text{PUMP POWER}$

ITEM	(AC) Voltage	(DC) Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
DLP20-19-72-900-A/D	85V-280V	80V-430V	900W	20m ³ /h	19m	2X2"	2m	<430V	$\geq 1.3 \times \text{PUMP POWER}$
DLP27-19-72-1200-A/D	85V-280V	80V-430V	1200W	27m ³ /h	19m	3X3"	2m	<430V	$\geq 1.3 \times \text{PUMP POWER}$

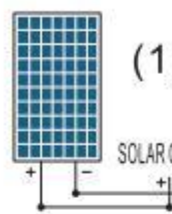
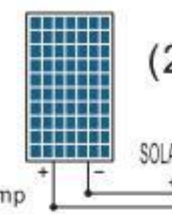
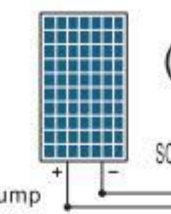
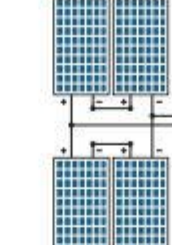
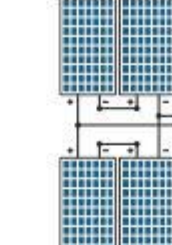
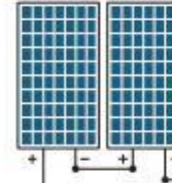
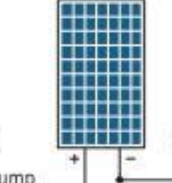
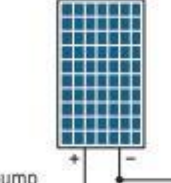
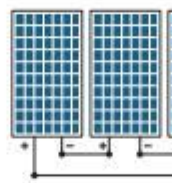
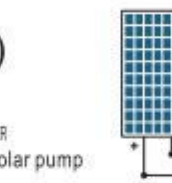
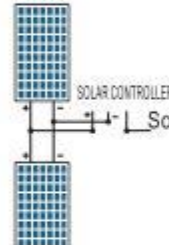
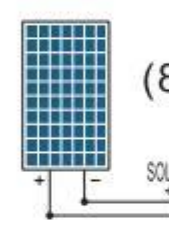
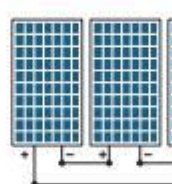
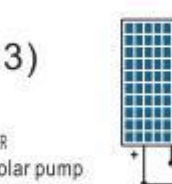
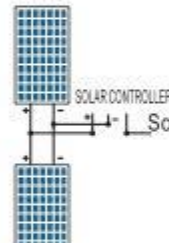
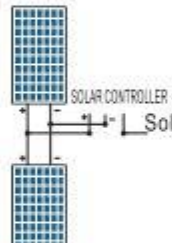
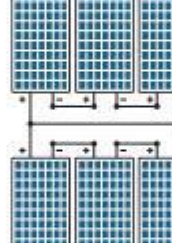
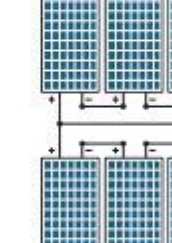
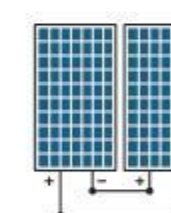
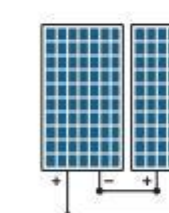
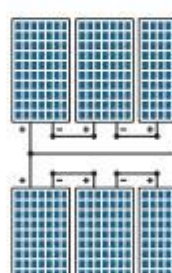
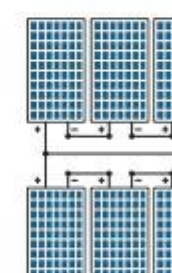
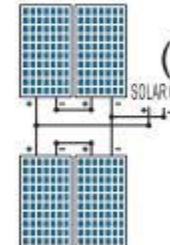

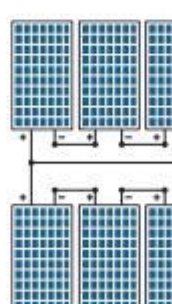
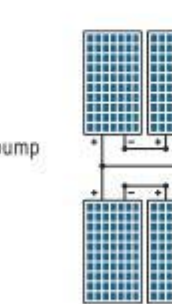
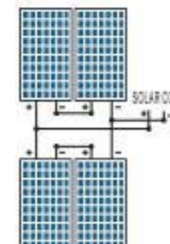
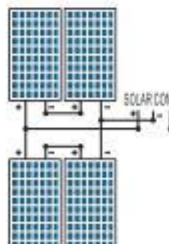
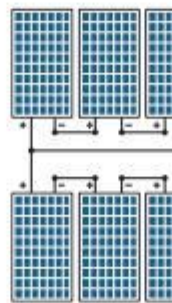
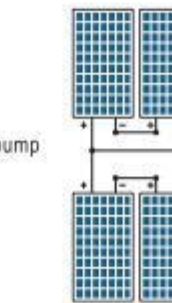


PERFORMANCE CURVES



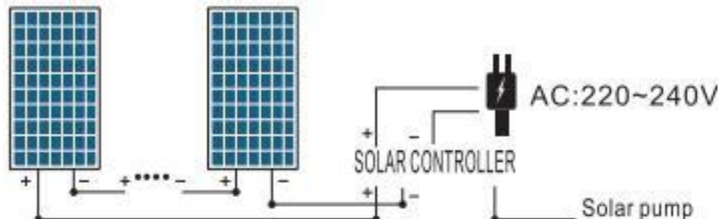
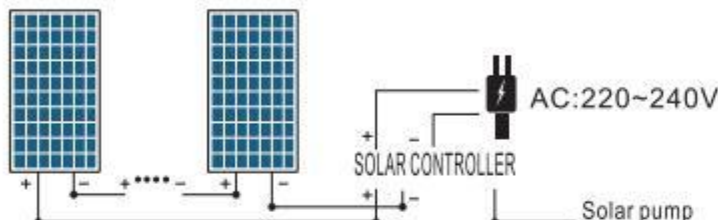
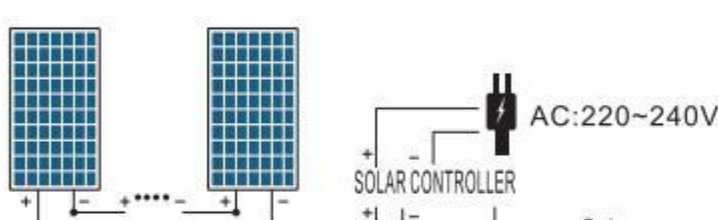

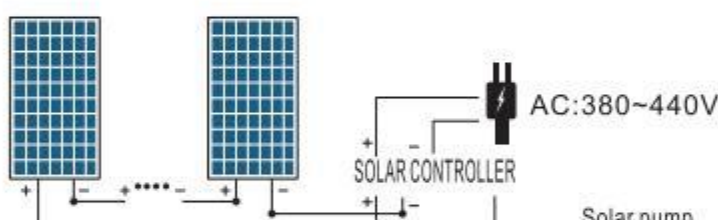
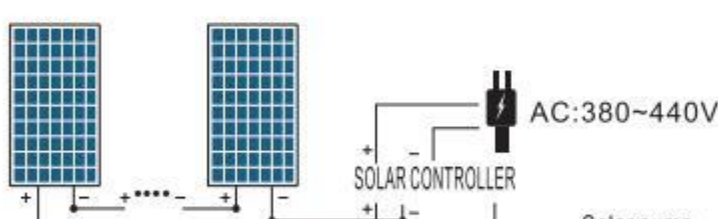
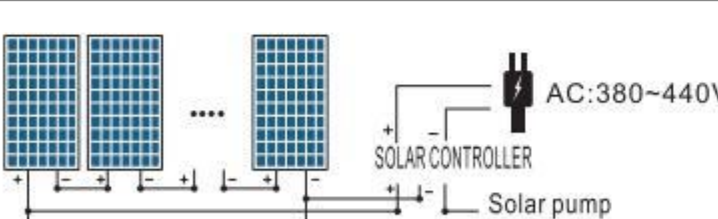
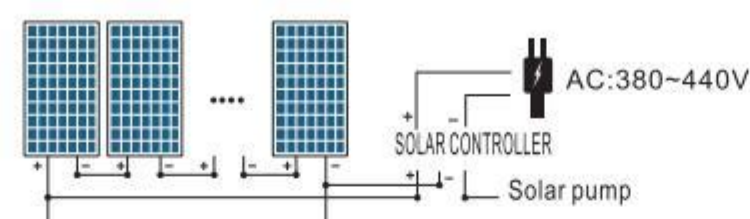
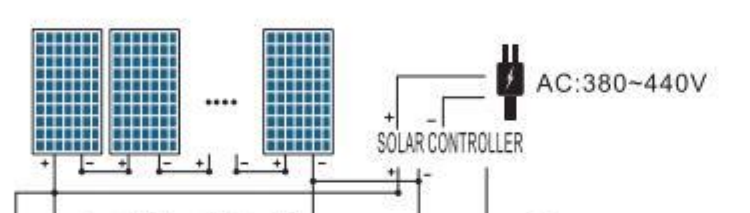
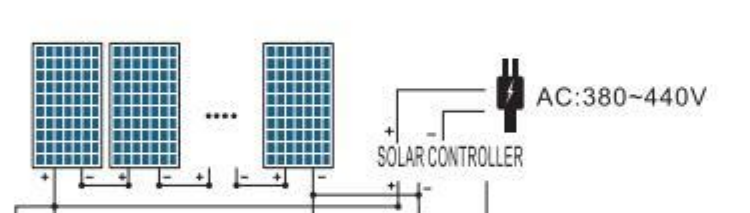
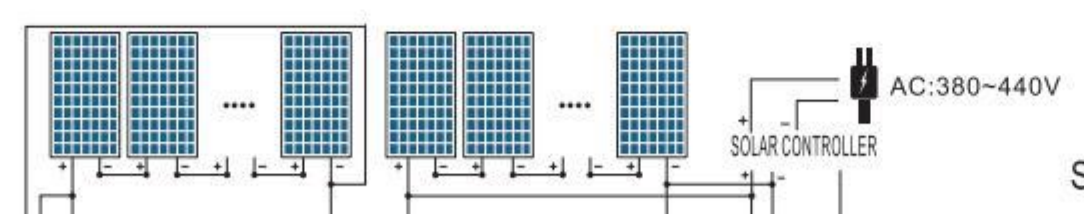
FREE SPARE PARTS



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

PUMP POWER 80W-12V Voc: 18V~55V	 (1)  (2)  (3)	Solar panel:150W*1PCS Solar panel:270W*1PCS Solar panel:330W*1PCS	PUMP POWER 750W-48V Voc: 30V~105V	 (19)  (20)	Solar panel:270W*4PCS Solar panel:330W*4PCS
PUMP POWER 120W-24V 180W-24V 200W-24V 210W-24V 210W-36V Voc: 18V~55V	 (4)  (5)  (6)	Solar panel:150W*2PCS Solar panel:270W*1PCS Solar panel:330W*1PCS	PUMP POWER 750W-72V Voc: 55V~160V	 (21)  (22)	Solar panel:270W*4PCS Solar panel:330W*3PCS
PUMP POWER 280W-24V 300W-24V Voc: 18V~55V	 (7)  (8)	Solar panel:270W*2PCS Solar panel:330W*1PCS	PUMP POWER 900W-72V Voc: 55V~160V	 (23)  (24)	Solar panel:270W*4PCS Solar panel:330W*3PCS
PUMP POWER 400W-36V Voc: 18V~55V	 (9)  (10)	Solar panel:270W*2PCS Solar panel:330W*2PCS	PUMP POWER 1100W-72V Voc: 55V~160V	 (25)  (26)	Solar panel:270W*6PCS Solar panel:330W*6PCS
PUMP POWER 370W-48V 400W-48V Voc: 30V~105V	 (11)  (12)	Solar panel:270W*2PCS Solar panel:330W*2PCS	PUMP POWER 1100W-110V Voc: 60V~210V	 (27)  (28)	Solar panel:270W*6PCS Solar panel:330W*6PCS
PUMP POWER 500W-48V 550W-48V Voc: 30V~105V	 (13)  (14)	Solar panel:270W*4PCS Solar panel:330W*2PCS	PUMP POWER 1300W-110V Voc: 60V~210V	 (29)  (30)	Solar panel:270W*8PCS Solar panel:330W*6PCS
PUMP POWER 600W-48V Voc: 30V~105V	 (15)  (16)	Solar panel:270W*4PCS Solar panel:330W*4PCS	PUMP POWER 1500W-110V Voc: 60V~210V	 (31)  (32)	Solar panel:270W*8PCS Solar panel:330W*8PCS
PUMP POWER 600W-72V Voc: 55V~160V	 (17)  (18)	Solar panel:270W*3PCS Solar panel:330W*3PCS			

Solar panel recommendation for 220V-380V AC/DC & HV solar pump

PUMP POWER 750W-220V AC:85V~280V DC:80V~430V		Solar panel:270W*3~7PCS Solar panel:330W*4~6PCS
PUMP POWER 1100W-220V 1200W-220V AC:85V~280V DC:80V~430V		Solar panel:270W* 6~8PCS Solar panel:330W*5~7PCS
PUMP POWER 1300W-220V 1500W-220V AC:85V~280V DC:80V~430V		Solar panel:270W*8~9PCS Solar panel:330W*6~8PCS
PUMP POWER 2200W-220V AC:85V~280V DC:80V~430V		Solar panel:270W*10PCS Solar panel:330W*8~9PCS
PUMP POWER 3000W-380V AC Vol . 380V~440V Dc vol. 480V~780V		Solar panel:270W*15PCS Solar panel:330W*12PCS
PUMP POWER 4000W-380V AC Vol . 380V~440V Dc vol. 480V~780V		Solar panel:270W*19PCS Solar panel:330W*15PCS
PUMP POWER 5500W-380V AC Vol . 380V~440V Dc vol. 480V~780V		Solar panel:270W*26PCS Solar panel:330W*22PCS
PUMP POWER 7500W-380V AC Vol . 380V~440V Dc vol. 480V~780V		Solar panel:270W*36PCS Solar panel:330W*30PCS
PUMP POWER 9200W-380V AC Vol . 380V~440V Dc vol. 480V~780V		Solar panel:270W*45PCS Solar panel:330W*36PCS
PUMP POWER 11000W-380V AC Vol . 380V~440V Dc vol. 480V~780V		Solar panel:270W*54PCS Solar panel:330W*42PCS
PUMP POWER 15000W-380V AC Vol . 380V~440V Dc vol. 480V~780V		Solar panel:270W*76PCS Solar panel:330W*60PCS



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