

Sunnytek solar MPPT pumps is a new pump design optimized to operate direct on a solar panel without any extra battery or electronics. The unique MPPT converter is integrated to pump so it is just to hook up the cables on panel and all works.



Head (M)	Power (W)	Size (mm)	Cable length (M)
10	132	300*76	2
20	264	450*76	5
30	396	600*76	5
24V			
10	192	300*76	2
20	384	450*76	5
30	576	600*76	5
40	768	760*76	5
50	960	910*76	5
60	1152	1060*76	5
70	1344	1210*76	5
80	1536	1360*76	5
90	1728	1520*76	5
100	1920	1670*76	5

Flow	Intake	Outlet	Protection class	Rotation speed
3m ³ /hour	76mm	25mm	IP68	3000 /rpm

- Wide working voltage.
- Built-in MPPT controller which can make the best use of solar energy.
- Over-voltage protection / Under-voltage protection: The pump will stop working automatically when the voltage is too high or too low; Then it will detect the voltage every 10 minutes, and it will start to work automatically when the voltage is between the working voltage range of the pump.
- The pump can be directly connected to solar panels without controller in sunshine.

Note: the pump can not work without water. We will not offer warranty if the pump was damage for the reason of water shortage.



Head (M)	Power (W)	Voltage (V)	Cable length (M)
10M	480W	48	2
20M	960W	48	5
30M	1440W	48	5
60M	2880W	48	5
90M	4320W	48	5
120M	5760W	48	5

Flow	Intake	Outlet	Rotation speed	Protection class
10m ³ /hour	140mm	62mm	3000/rpm	IP68

- Wide working voltage:38v--96v.
- Built-in MPPT controller which can make the best use of solar energy.
- Over-voltage protection: The pump will stop working automatically when the voltage is over 96v; Then it will detect the voltage every 10 minutes, and it will start to work automatically when the voltage is between 38v and 96v.
- Under-voltage protection: The pump will stop working automatically when the voltage is under 38v; Then it will detect the voltage every 10 minutes, and it will start to work automatically when the voltage is between 38v and 96v.
- The pump can be directly connected to solar panels without controller in sunshine.
- Note: the pump can not work without water. We will not offer warranty if the pump was damage for the reason of water shortage.



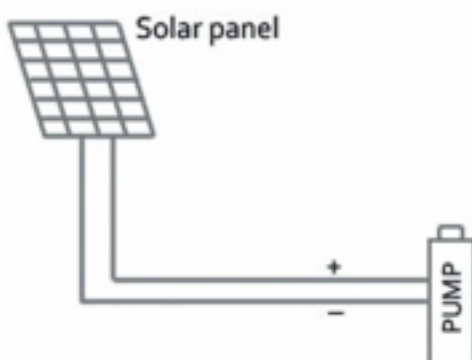
Head (M)	Power (W)	Voltage (V)	Cable length (M)
10	720	48	2
20	1440	48	5
40	2880	48	5
60	4320	48	5
80	5760	48	5
100	7200	48	5

Flow	Intake	Outlet	Rotation speed	Protection class
20m3/hour	140mm	62mm	3000/rpm	IP68

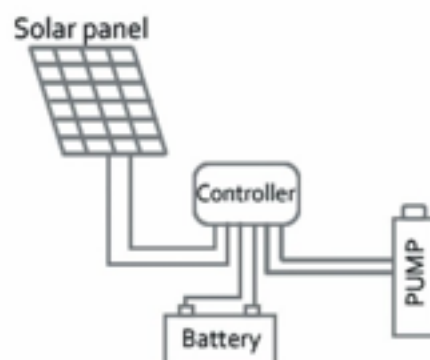
- Wide working voltage:38v--96v.
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- Over-voltage protection: The pump will stop working automatically when the voltage is over 96v; Then it will detect the voltage every 10 minutes, and it will start to work automatically when the voltage is between 38v and 96v.
- Under-voltage protection: The pump will stop working automatically when the voltage is under 38v; Then it will detect the voltage every 10 minutes, and it will start to work automatically when the voltage is between 38v and 96v.
- The pump can be directly connected to solar panels without controller in sunshine.

Note: the pump can not work without water. We will not offer warranty if the pump was damage for the reason of water shortage.

Installation Diagram



A. If the pump just need to work in sunshine, it can be directly connected to solar panels. There are two lead wires with the pump, and you can directly connect them to the positive and negative electrodes of the solar panels. (Pay more attention to the positive and negative electrodes, prohibit connected to the wrong)



B. If the pump also need to work during the night time, or even in cloudy and rainy day, you also need controller and battery. (Pay more attention to the positive and negative electrodes, prohibit connected to the wrong)