

Solar Water Pumps and Street Lights Datasheet

Two, three and four inch submersible solar pumps, and 10W and 20W all-in-one street lights.

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All figures in this document are the manufacturer specification for the model named. Anything not listed here is confirmed in writing with the quotation.

Solar Water Pumps

2 Inch Solar Submersible Water Pump

Model: SP-2D1.5-35-24-200

A 24V, 0.2HP two inch submersible pump giving up to 1500 litres and 35 metres of head, with dry-run protection and an MPPT controller.



Features

- DC brushless permanent-magnetic synchronous motor, high speed and high efficiency
- 304 stainless steel pump shaft, high-quality bearing, alloy mechanical seal
- Intelligent water shortage protection, the pump stops working automatically when there is no water in the well, and automatically starts working 30 minutes later
- MPPT controller, frequency conversion function, automatic working function, water proof and leak-proof
- Double bearing motor base can work under more axial pressure

Specifications

Model	SP-2D1.5-35-24-200
Material	Stainless steel
Maximum flow rate	1500L
Maximum head	35 metre
Horsepower	0.2HP
Voltage	24V
Pressure	High pressure
Warranty	2 years

3 Inch Brushless Submersible Solar Water Pump

Model: SP-3DSC4-35-24-300

A 24V, 0.5HP three inch pump giving up to 4000 litres and 35 metres of head, with double bearings for higher axial load.



Features

- Permanent magnet DC brushless synchronous motor
- 304 stainless steel pump shaft
- Double bearing, motor base works better under more axial pressure
- Alloy mechanical seal, longer working life and high reliability
- Intelligent water shortage protection
- MPPT controller

Specifications

Model	SP-3DSC4-35-24-300
Material	Stainless steel
Maximum flow rate	4000L
Maximum head	35 metre
Horsepower	0.5HP
Voltage	24V
Pressure	High pressure
Warranty	2 years

4 Inch DC Submersible Solar Water Pump

Model: SP-4DSC5.2-45-48-500

A 48V, 0.6HP four inch pump giving up to 5200 litres and 45 metres of head, with an LED display of power, voltage, current and speed.



Features

- Permanent magnet DC brushless synchronous motor
- 304 stainless steel pump shaft
- Brass outlet, connector and oil cylinder
- Double bearing motor with Japanese NSK
- Waterproof grade IP65
- Automatically start and stop working
- Water proof and leak-proof with double seal effect
- MPPT function, the solar power utilisation rate is higher
- Soft start with no impulse current, protecting the pump motor

- High voltage, low voltage, over-current and high temperature protection

Specifications

Model	SP-4DSC5.2-45-48-500
Material	Stainless steel
Maximum flow rate	5200L
Maximum head	45 metre
Horsepower	0.6HP
Voltage	48V
Pressure	High pressure
Protection	IP65
Warranty	2 years

Solar Street Lights

10W LED Solar Street Light With MPPT Control

Model: SW-T10

An all-in-one 10W street light with a rotatable panel, MPPT charging, more than 900 lumens and one to two days of backup.



Features

- 360 degree rotatable solar panel
- Super cost competitive based on new solutions
- MPPT inside, 30% faster charging
- Automatic lighting, maintenance free
- Easy installation, on wall or on pole
- Long service life, 5 years and above
- Waterproof, up to IP 65

Specifications

Model name	SW-T10
PV solar panel	10W poly
Full charge time	5-8 hours
Battery type	Li-ion
Battery capacity	12000mAh
Brightness	More than 900 lumens
Lighting power	10W
Backup time	1-2 days
Working temperature	-5 to 40 degrees C

MPPT	Yes
Warranty	12 months
Packing dimension	478 x 109 x 283 mm
Gross weight	4.6KG
Load qty 20ft / 40ft	1680 / 3416

20W Solar Pathway Light With MPPT Charging Controller

Model: 20W pathway light

A 20W pathway light with a 17600mAh lithium battery, more than 1500 lumens and full brightness for the first four hours of the night.



Features

- Super cost competitive based on new solutions
- 360 degree rotatable solar panel
- MPPT technology inside, 30% faster charging
- Automatic lighting, maintenance free
- Easy installation, either on wall or on pole
- Long service life for 5 years and above

Specifications

Solar panel	20W poly
Battery	Lithium ion
Battery capacity	17600mAh
Lighting power	15W
Brightness	More than 1500 lumen
Backup time	1-2 days
Full charge time	5-8 hours
MPPT	Yes
Working temperature	-5 to 40 degrees C
Dimming profile	Maximum brightness for the first 4 hours, half brightness for the rest