



SOLAR PACK SET



SD-4-40 Solar Panel 40W Battery 40AH

Product Advantages:

- Overall design is user-friendly and easy to install.
- Integration of solar panel and battery eliminates the need for separate wiring of the power box.
- Unified equipment installation on the bracket without the need for separate fixation.
- Unique solar power system on the market, integrating solar panel, controller, battery, and equipment fixing plate into one.
- Dual-panel design of the solar panel reduces fragility and damage during transportation, resulting in cost savings for shipment.
- Battery advantage: New cylinder 3.2V/40AH lithium iron phosphate battery.
- Output power: DC12V2A max 25W with a DC connector of 5.5*2.1mm.
- Solar panel has a charging efficiency of 6-8 hours for a full battery.



- Capable of supplying power to 10-15W products for approximately 2-3 days during rainy weather.
- Suitable for powering 1.5-2.5 inch small 4G camera monitoring, outdoor small CCTV, outdoor CPE, outdoor audio, outdoor speakers, sensors, and other small 12V DC products.

Solar Panel Specifications:

Dual solar panels with a combined power output of 40W

Battery capacity: 40AH

Waterproof rating: IP65

Maximum Power Point (MPP) voltage: 5.8V

MPP current: 5.62A

Open circuit voltage: 21.8V

Dimensions: 350mm × 400mm × 20mm (each panel, total of 2 panels)

Silicon wafer size: 157mm × 157mm

Solar cell type: Class A polycrystalline silicon

Front cover material: Special glass for durability and protection.

Battery Specifications:

Battery type: Lithium iron phosphate (LiFePO₄) battery

Battery capacity: 40AH

Nominal voltage: 3.2V

Maximum charging voltage: 3.65V ± 0.03V

Maximum continuous charging current: ≤10A

Discharge:

Minimum discharge voltage: 2.00V

Maximum continuous discharge current: ≤10A

Overcharge protection:

Overcharge detection voltage: 3.9V ± 0.05V

Overcharge recovery voltage: 3.8V ± 0.1V

Overdischarge protection:

Overdischarge detection voltage: 2.0V ± 0.1V

Overdischarge recovery voltage: 2.3V ± 0.1V

Boost Inverter Controller Specifications:

Rated output: 12V

Boost conversion efficiency: >85%



Discharge protection function:

Overdischarge protection starting voltage: $\leq 11.2V$

Overdischarge protection recovery voltage: $\geq 12V$

Overcharge protection:

Overcharge protection starting voltage: $\geq 14.4V$

Overcharge protection recovery voltage: $\leq 14V$

Overload protection: Protects the output current from abnormal load short-circuit

Indicator lights:

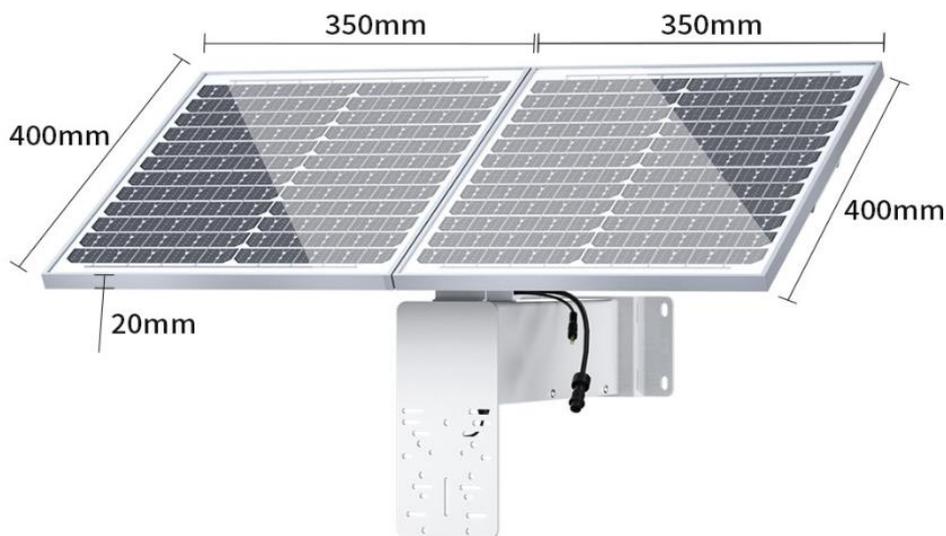
Blue LED: Indicates battery capacity between 50% and 100%.

Yellow LED: Indicates battery capacity between 15% and 50%.

Red LED: Indicates battery capacity below 15%.

Charging Indicator Lights:

The green LED blinking speed indicates the magnitude of the charging current. When the charging current exceeds 4A, the green LED remains steadily lit. A slow blinking green LED indicates a slow charging current. It is important to adjust the installation method and angle of the solar panel accordingly.





6.5KG