

TY-LF8040(H) 80W 40Ah Solar Panel Powered Wifi Wireless Security 3G 4G Lte Cctv Camera Solar Energy Systems

80W Monocrystalline Solar Panel Kit with Built-in Rechargeable Lithium Battery 12V 40Ah(512WH), Waterproof IP67 for Off-Grid System.

- Long Cycle Life Monocrystalline Solar Panel

This 80 watts Monocrystalline Solar Panel provides higher energy conversion efficiency, and the excellent surface texturing technology guarantees good weak light performance. The harsh environment adaptability helps to extend the service life.

-High Capacity Built-in Lithium Battery

12V 40Ah Rechargeable Lithium Battery ensure reliable performance and continuous power output. Rated capacity reached 512Wh.

- Built-in Charge MPPT Controller Provides Comprehensive Protection

Support battery high-low temperature protection, charge-discharge protection and low-battery sleep protection, which provide guarantee for the stability of power supply.

- RS485 supported

Our system support for RS485, It needs to set before leaving factory

- Easy Installation and Wide Application

The completely equipped accessory kit is suitable for a variety of installation scenes. Designed for areas where other power supplies cannot reach, such as camping, RVs, trailers, hunting, warehouse, farms, ranch and other remote power use.

Technical data

General data

Solar Power Supply					
Monitoring battery	Load voltage	Maximum load power	Load conversion efficiency	Maximum charging current	Sun input voltage
40AH	10~14.6 V	80 W	90%~97%	10 A	18 V

Solar Panel / Battery summary	TY-LF8040
Size Battery	205×112×68mm
Module	80W
Battery	Lithium Ion-512WH
Load Voltage	10~14.6V
Max Charge	10A
Solar Input Voltage	18V
Max Load	40W
Solar Panel	
Solar Cell	156Mono
Optimum Power(V)	18V
Optimum operating Current	5.55A

Short Circuit Voltage	6.11
Open Circuit Voltage	21.24V
Size Module	870*670*30mm
Front Glass Thickness	3.2mm
Tolerance Watts	±3%
Surfacer Max Load Capacity	60m/s(5kg/sq.m)
Allowable Hail Load	23m/s,7.53g
Temperature range	-20℃to +85℃
Weight Per Piece(KG)	6KG with Battery(no Pole or accessories)
Cell Efficiency	21.6%
Warranty	90% for 10 years,80% for 25 years*
Water proof	IP67
Battery	
Array Mode	3S16P
Nominal Capacity	40000mAh
Minimum Capacity	>20000mAh
Nominal Voltage	12.8V
Opertating Temp	Charging:0℃～ 65℃(32°F to 140°F) Discharging:-20℃to 60℃(-4°F to 140°F)
Cycle Life	＜2000*

(For detailed data sheet, please contact with us)

Technical drawing

