

## SOLAR-S1240P80

4-in-1 Smart Solar Power System for Security Cameras and IoT Devices



### Outstanding Features

- Fully integrated 4-in-1 design (solar panel, battery, charge controller and bracket)
- 80W monocrystalline solar panel with foldable pole mount bracket
- 444WH lithium battery capacity, about 72 hours operation in rainy days
- Built-in solar charge controller, with DC12V output
- Provide RS485 for remote charge status monitoring
- Anti-corrosion design with Galvanization steel material
- Work in cold regions, automatic heating below 0°C or 32°F
- IP66 waterproof for outdoor applications
- Dimension: 765 mm × 571 mm × 69 mm (30.12" × 22.48" × 2.72")

## 4-in-1 Smart Solar Power System

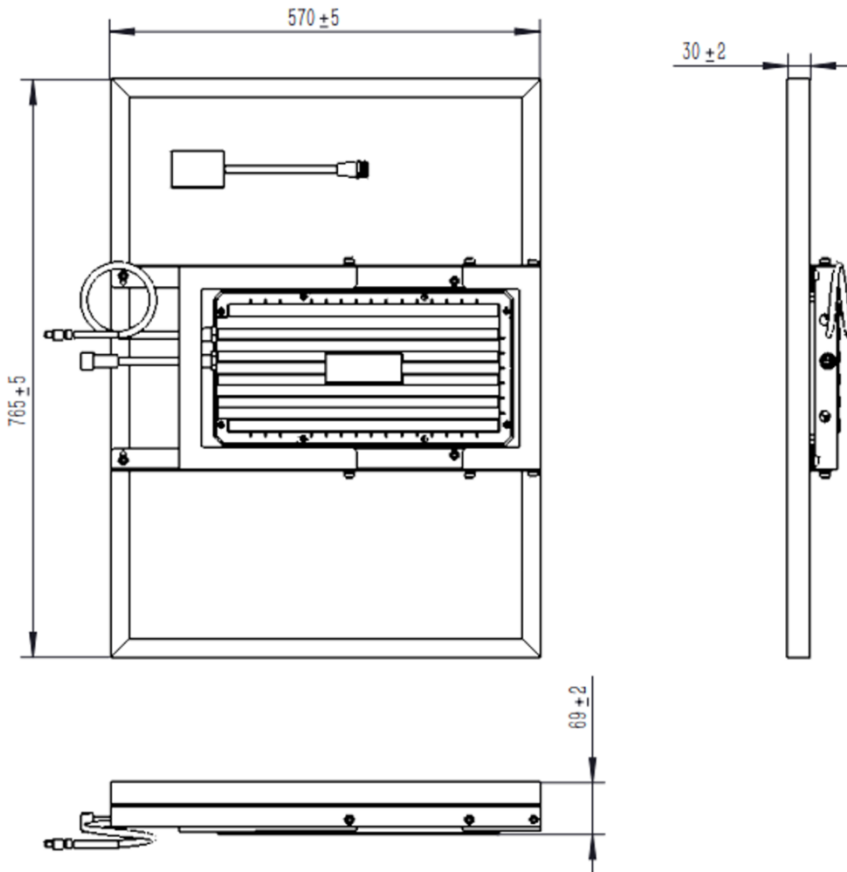
Fully integrated | Super easy to install



## Specification

<b>System</b>	
Output Voltage	11.1 VDC (9 V–12.6 V)
Output Current	10 A
Power Consumption In Idle	<50 uA
<b>Solar Panel</b>	
Type	Monocrystalline silicon
Max. Power	80 Wp
Efficiency	≥19%
<b>Battery</b>	
Type	Ternary lithium
Nominal Capacity (20°C/68°F, 5 h)	40 AH
Low Temperature Discharge Performance	≥70% nominal capacity (–20 °C [–4 °F], 5 hr)
Normal Temperature Discharge Performance	≥99% nominal capacity (25 °C [77 °F], 5hr)
High Temperature Discharge Performance	≥90% nominal capacity (55°C [131 °F], 5hr)
Upper Limit of Charging Voltage	12.6 VDC
Max. Charging Current	10 A
Charge and Discharge Cycle Times	>500 times
<b>Protection</b>	
Over Discharge Protection Voltage	9 VDC
Low Temperature Charging Inhibition	0 °C (32 °F)
Low Temperature Discharging Inhibition	–20 °C (–4 °F)
Protection	IP66
Others	Protection against overheating overcharging, overloading and short circuits.
<b>Port</b>	
Power Output Port	DC12V (5.5/2.1mm interface)
RS-485	1
<b>Structure</b>	
Main Body Material	Photovoltaic panel frame: aluminum alloy Battery compartment: PC and ASA Bracket: Q235
Installation	Column-shaped vertical pole (Φ80 mm–180 mm)
Product Dimensions	765 mm × 571 mm × 69 mm (30.12" × 22.48" × 2.72")
Packaging Dimensions	825 mm × 650 mm × 100 mm (32.48" × 25.59" × 3.94")
Net Weight	12 kg (26.5 lb)
Gross Weight	14.4 kg (31.75 lb)
<b>Environment</b>	
Operating Altitude	≤3,000 m (9,842.52 ft)
Applicable Area	The device needs to be exposed to direct sunlight for at least 3.5 hours under standard lighting intensity to ensure it operates normally.
Operating Temperature	Charging: –20 °C to + 50 °C (–4 °F to +122 °F); the device self-heats when the battery reaches 0 °C Discharging: –20 °C to + 55 °C (–4 °F to 131 °F)
Operating Humidity	10%–90% (RH)
Storage Temperature	–35 °C to +65 °C (–31 °F to +149 °F); the storage time is less than 3 months. –10 °C to +25 °C (+14 °F to +77 °F); the storage time is less than 12 months.
Storage Humidity	65 ± 20% (RH)
Anti-corrosion Level	Basic Protection
<b>Certification</b>	
Certifications	CE, UN 3480, UN38.3, MSDS (Qualified for air shipping and ocean shipping)

## Dimension (mm)



## Packing List



Pole Mount Bracket



Bracket Adjuster



Mounting Screws