

Solar Power System

SLR-R400 Series



Features

- High-efficiency monocrystalline silicon solar cell, high photovoltaic conversion efficiency, efficiency $\geq 22\%$.
- Using high-transparency tempered glass, EVA, and UV-resistant backing material.
- The component frame uses anodized aluminum alloy, enhancing corrosion resistance to ensure the component adapts to various harsh outdoor environments with high product specifications built-in.
- The product features an internal high-performance lithium battery, with a wide range of application scenarios.
- The product features a visual power indicator, making the operating status clear at a glance.
- The battery features multiple protection functions, including high and low temperature protection, overcharge protection, under-voltage protection, and constant voltage under load.

Specifications

产品型号	SLR-R400G400	SLR-R400G800
Battery		
Rated Capacity	2560Wh	
Battery Type	Lithium Battery	
Rated Voltage	12.8V	
Maximum Discharge Current	10A	
Charge Cut-off Voltage	15V	
Discharge Cut-off Voltage	11V	

Cycle Life	≥ 2000 cycles	
Input Interface	Plastic Quick Connector	
Output Interface	2-Pin Through-Hole Terminal Block	
Dimensions (Li-ion Battery Pack)	650mm*124mm*104mm	
Weight (Li-ion Battery Pack)	18KG	
Operating Temperature (Li-ion Battery Pack)	-20° C to +60° C (Discharging); 0° C to +50° C (Charging)	
IP Rating (Li-ion Battery Pack)	IP54	
Solar Panel		
Solar Cell Material	166 mm Mono-Crystalline Silicon	
Peak Power	200W	
Working Voltage	18V	
Working Current	11.11A	
Open Circuit Voltage	21.24V	
Short Circuit Current	12.22A	
Photovoltaic Conversion Efficiency	22%	
Service Life	20 years	
PV Output Interface	Plastic Quick Connector	
Dimensions (Solar Panel)	1220mm*865mm*30mm	
Composition (Solar Panel)	Frame: Anodized Aluminum; Glass: 3.2mm Tempered Glass	
Weight (Solar Panel)	Weight per unit: 10.5 kg	
Quantity	1	2
Operating Temperature (Solar Panel)	-40℃~~+85℃	
IP Rating (Solar Panel)	IP67	
Solar Panel Bracket		
Application Scenarios	Applicable for surveillance pole installation scenarios, using a clamping bracket for installation.	
Dimensions (Bracket)	2000mm*856mm*578mm	866mm*845mm*579mm
Applicable Member Diameter	120 to 180 mm	
Composition (Bracket)	Q235 Galvanized Steel	
Compatibility Range	Single PV Panel Installation	Dual PV Panel Installation

