

# Solar Power

## SLR-R100G120-H-IN



### Features

- Modular design for easy battery assembly, hanging design for easy solar panel installation.
- Built in high safety, high reliability, and long life lithium battery cell is suitable for a wide range of application scenarios.
- Built in self developed high efficiency solar controller realizes faster charging.
- Visual status indicator allows for easy understanding of the product' s operating status.
- Multiple protection functions such as high and low battery temperature protection, overcharge protection, undervoltage protection, etc.
- Metal casing, windproof and rainproof, capable of withstanding harsh outdoor environments.
- Built in heating module can be turned on in a low temperature environment, effectively protecting the battery life and ensuring the safety of charging.
- Back surface field and electrodes are made of high quality metal pastes, ensuring good conductivity.
- High efficiency monocrystalline silicon cell with high photoelectronic conversion efficiency.
- High transmittance tempered glass and UV resistant EVA backsheet materials further improve the conversion efficiency of photovoltaic modules.
- Anodized aluminum alloy frame improves the corrosion resistance and ensures that the components can withstand harsh outdoor environments.

### Specifications

Lithium Battery	Description
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Battery capacity	50Ah
Rated energy	160Wh
Limited charge voltage	7V
Output voltage	9V to 12.6V
Maximum output current	2A
Input interface type	4-pin quick connector (for battery switch)
Output interface type	DC12V circular connector
RS485	Support
Dimensions	419.2*118*336.5mm
Protection function	High/low temperature protection, overcharge protection, undervoltage protection
<b>Solar Panel</b>	<b>Description</b>
Peak power	60W
Operating voltage	4.5V
Operating current	13.33A
Open circuit voltage	5.4V
Short circuit current	14.66A
Cell conversion efficiency	≥22%
Output interface type	4-pin quick connector (for battery switch)
Dimensions	765*395*25mm
<b>General</b>	<b>Description</b>
Operating temperature	-20°C to 55°C (discharge) -20°C to 45°C (charge)
Weight	10.4KG
Suitable pole diameter	67mm to 110mm

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