

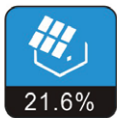


RG-SOLAR-PL-120-18

120W-18V Solar Panel Monocrystalline

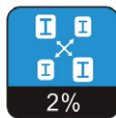


RANGER



High conversion efficiency
Achieve up to 21.6% cell conversion efficiency with superior battery technology and leading manufacturing processes

21.6%



Current binning process
The components use a current binning process to reduce the loss of up to 2% due to mismatch and maximize system output power

2%



anti-PID
The improved battery process and selected packaging materials make the Xinzhi source components have good PID resistance.

PID RESISTANT



Excellent low light performance
The component exhibits excellent low-light performance in the absence of sufficient light in the morning, evening, or cloudy days.

WEAK LIGHT



Positive tolerance
5% positive tolerance peak power output ensures component reliability

0/+5%



Super wind pressure and snow pressure bearing capacity
The module has high pressure resistance and can withstand wind pressure up to 3000 Pa and snow pressure of 5400 Pa

3800Pa
5400Pa

Electrical Specifications

| | |
|--------------------------|-------------------|
| Component type | Monocrystalline |
| Peak power | p 120 |
| Peak power voltage | v 18 |
| Peak power current | A 6.67 |
| Open circuit voltage | v 21.24 |
| Short circuit current | A 7.47 |
| Cell efficiency (A film) | % 21.6 |
| Size | mm 670*1135*35*25 |

Structure Materials

| | |
|----------------|--------------------------------------|
| Glass | Low iron tempered glass / 3.2mm |
| Cell | Monocrystalline/156.75x156.75 |
| Package | Ethylene vinyl acetate copolymer EVA |
| Aluminum frame | Anodized aluminum/siler/transparent |
| Junction Box | Waterproof rating IP67 |

| Mechanical Data | |
|--|------------|
| Maximum system voltage | 1000VDC |
| Maximum fuse rating | 15A |
| Maximum reverse current | 15A |
| Operating temperature | -40°C~85°C |
| Maximum static load on the front (snow load) | 5400Pa |
| Maximum static load on the back (wind load) | 2400Pa |
| Hail test (ice diameter/impact speed) | 25mm/23m/s |

Dimension Drawings (mm) *All specification is subject to change without prior notice.

