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Solar Panel Guide Specification Data Sheet

Sunrise Solar Solutions SR250P SR250P

Also available on the web at
EnergyPal.com/sunrise-solar-solutions-solar-panels/sr250p

| Cells | |
|-------------------|-------------------------|
| Cell Technology | Polycrystalline silicon |
| Number per module | 60 |
| Cells dimensions | 156× 156 mm |

| Electrical data | | |
|-----------------------------|------------------|---------|
| | | SR 250P |
| Maximum power | P _{max} | 250W |
| Open Circuit Voltage | V _{oc} | 37.8V |
| Maximum power point voltage | V _{mpp} | 30.8V |
| Short circuit current | I _{sc} | 8.71A |
| Maximum power point current | I _{mpp} | 8.18A |

| | |
|-------------------|---------|
| FF Factor | 77.47 % |
| Module Efficiency | 15.41 % |

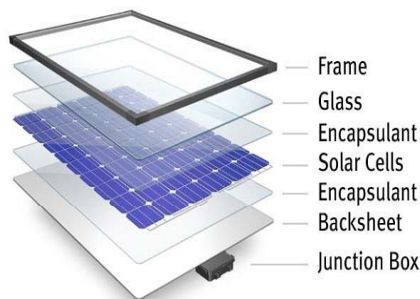
*At Standard Conditions (STC) Irradiance 1000 watt/m², spectrum AM 1.5 at a cell temperature of 25°C.

| Thermal data | |
|--|--------------------|
| NOCT | 47°C ± 2°C |
| Temperature Coefficient of V _{oc} | - (70 ± 5) mV / °C |
| Temperature Coefficient of I _{sc} | + 0.04 % / °C |
| Temperature Coefficient of Power | - 0.35 % / °C |

| System Integrated parameters | |
|------------------------------|--|
| Maximum system voltage SCII | 600 VDC |
| Maximum reverse current | Do not apply external voltages larger than V _{oc} to the module |

| Additional data | |
|----------------------|-------------------|
| Junction box | 1000 VDC |
| Connector (optional) | Plug type 4 |
| Power tolerance | ± 5% |
| Cable | 4 mm ² |
| Cable lengths | 1000 mm |
| Bypass diodes | 3 pieces |

Module Construction



Features

- High conversion efficiency
- Low power tolerance of 0~+3%
- Low degradation under light exposure
- Can withstand high wind-pressure, Snowload and extreme temp.
- IEC 61215 2400Pa mechanical load test

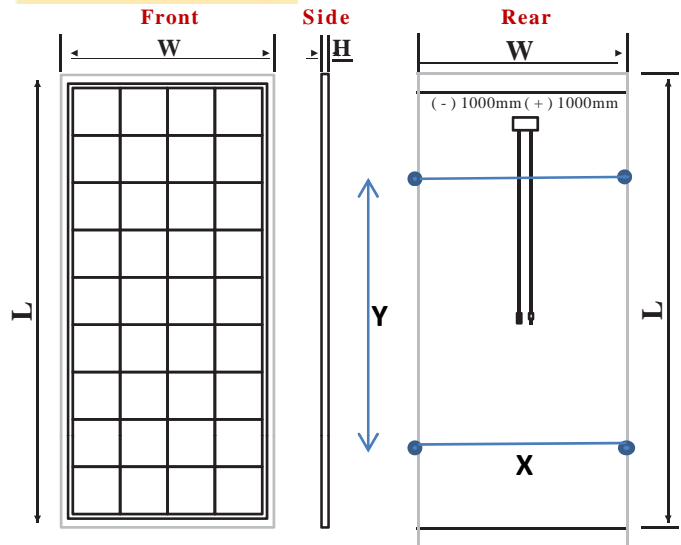
Quality and Safety

10-year warranty on product materials and processing technology
 Power output warranty: 10 years:90%, 25 years:80%
 ISO 9001:2008(Quality Management System) certified factory
 IEC61215, IEC61730 certified products

Applications

- On-grid residential roof-tops
- On-grid commercial rooftops
- Off-grid system
- Other on-grid applications

Dimensions



Mechanical Data

| | |
|-----------------------------------|--------------------|
| Dimension of the module L × W × H | 1660 × 990 × 45 mm |
| Weight | 19.3kg |
| Mounting Holes X - mm | 960 mm |
| Mounting Holes Y - mm | 1100 mm |

Note: The data presented may change without any prior notice due to further improvements in the product design.

Cable and connectors are optional, IP-65/67 Junction Box, Mc4 compatible M/F connectors along with 1 meter cable shall be provided against customer request



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