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Solar Panel Guide Specification Data Sheet

Sunrise Solar Solutions SR40P SR40P

Also available on the web at
EnergyPal.com/sunrise-solar-solutions-solar-panels/sr40p

Cells	
Cell Technology	Polycrystalline silicon
Number per module	36
Cells dimensions	52× 156 mm

Electrical data		
		SR 40P
Maximum power	P _{max}	40 W
Open Circuit Voltage	V _{oc}	21.5V
Maximum power point voltage	V _{mpp}	17.6V
Short circuit current	I _{sc}	2.54A
Maximum power point current	I _{mpp}	2.40A

FF Factor	77.47 %
Module Efficiency	13.33%

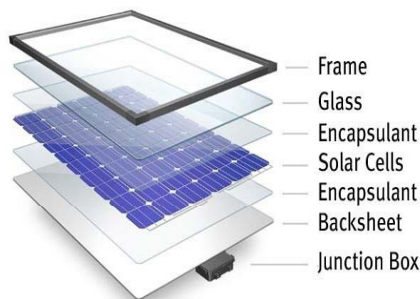
*At Standard Conditions (STC) Irradiance 1000 watt/m², spectrum AM 1.5 at a cell temperature of 25°C.

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	± 3%
Cable	4 mm ²
Cable lengths	1000 mm
Bypass diodes	2 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

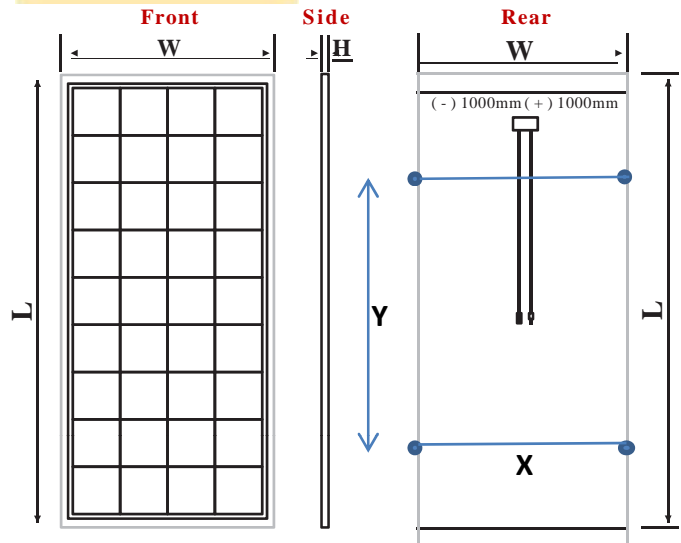
Quality and Safety

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	610 × 660 × 35 mm
Weight	4.5kg
Mounting Holes X - mm	630 mm
Mounting Holes Y - mm	355 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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