

Electrical Characteristics

STC	100W poly
Maximum Power Voltage(Vmp)	18.0V
Maximum Power Current(Imp)	5.56A
Open Circuit Voltage(Voc)	21.6V
Short Circuit Current(Isc)	5.85A
Maximum Power(Wp)	100W
Cell Efficiency (%)	16.0%
Operating Temperature (°C)	-40°C~+85°C
Maximum System Voltage(VDC)	1000V(TUV)/600V(UL)
Series Fuse Rating	10A
power tolerance	0/+3%

STC: Irradiance 1000W/m², 1.5 Air Mass, and cell temperature of 25°C.

Power measurement tolerance: ±3%.

Mechanical Characteristics

Solar Cell	Polycrystalline 156mm x113mm 36(4x9) 1093x 674 x 35mm
Weight	8.5kgs 3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP65,1000VDC,TUV&UL Certified
Output Cables	TUV,900mm

Temperature Characteristics

NOCT	47±2°C
Temperature Coefficients of Isc (%/°C)	0.03%/°C
Temperature Coefficients of Voc (%/°C)	-0.35%/°C
Temperature Coefficients of Pm (%/°C)	-0.45%/°C

MATERIALS

- Advanced EVA encapsulation system with triple-layer back sheet meets the most stringent safety requirements for high-voltage operation.
- The sturdy, anodized aluminum frame allows the modules to be mounted on a variety of standard racking systems and to withstand harshest conditions
- Ultra reliable bypass diodes prevent damage through Overheating due to shaded or defective cells
- Innovative, environmentally friendly packing method
Using pile-edges insures modules arrive in perfect condition.
- New frame design incorporating hexagonal shaped
Drainage holes, with more grounding holes, provide
Flexible installation and use

BENEFITS

- Manufactured in a n IEC61215, IEC61730, ISO 9001:2000, CE, UL certified plant.
- High efficiency, high safety, high reliability.
- Output power tolerance of ±3 %.
- 25-years Limited warranty on Power output, 5-years limited warranty on materials and workmanship.

NOTE

This publication summarizes product warranty and specifications, which are subject to change without notice, additional information may be found on our web site: www.nordicindia.com

