



Features:

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

Benefits:

- Manufactured in an IEC 61215, IEC 61730, ISO 9001:2000.
- CE and UL Certified.
- Output power tolerance of ± 3%.
- 25 years limited warranty on power output & 5 years limited warranty on materials and workmanship.

TECHNICAL SPECIFICATIONS:

Electrical Characteristics

STC	140W Poly
Maximum Power Voltage (Vmp)	18.0V
Maximum Power Current (Imp)	7.78A
Open Circuit Voltage (Voc)	21.6V
Short Circuit Current (Isc)	8.19A
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%

Temperature Characteristics

NOCT	47±2°C
Temp. Coefficient of Isc (%/°C)	0.03%/°C
Temp. Coefficient of Voc (%/°C)	-0.35%/°C
Temp. Coefficient of Voc (%/°C)	-0.45%/°C

Mechanical Characteristics

Solar Cell	Poly Crystalline 1180 X 674 X 35mm
Weight	12 Kg 3.2mm Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP65, 1000VDC, TUV & UL Certified