



**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	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%

**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 1093 X674 X 35mm
Weight	8.5 Kg 3.2mm Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP65, 1000VDC, TUV & UL Certified