

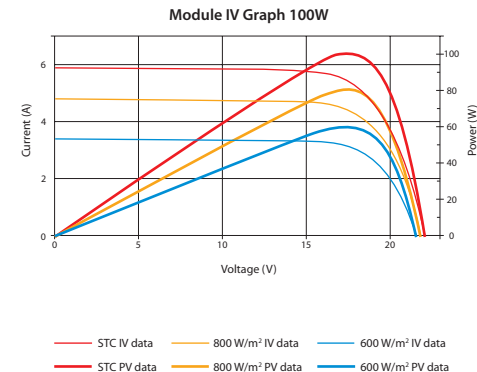
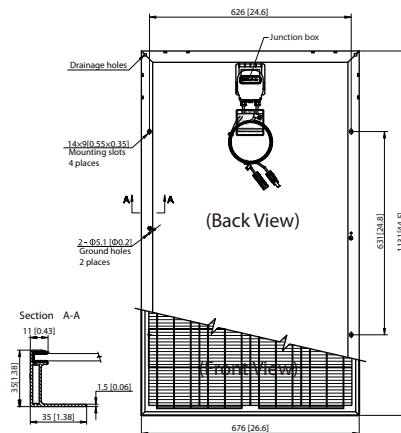
STP100D-12/TFA



25-YEAR WARRANTY



for IEC Certified Module



ELECTRICAL CHARACTERISTICS

Open-Circuit Voltage (Voc)	22.3 V
Optimum Operating Voltage (Vmp)	17.5 V
Short-Circuit Current (Isc)	5.91 A
Optimum Operating Current (Imp)	5.72 A
Maximum Power at STC* (Pmax)	100 Wp
Operating Temperature	-40°C to +85°C
Maximum System Voltage	1000 V
Maximum Series Fuse Rating	15 A
Power Tolerance	±5 %
Nominal Voltage	12V

MECHANICAL CHARACTERISTICS

Solar Cell	Polycrystalline
No. of Cells	36 (4x9)
Dimensions (mm/inch)	1131x676x35mm / 44.6x12.0x0.7
Weight (kg/lbs)	9.4 Kgs /20.7 lbs
Junction Box	IP65 rated
Output Cables (mm/inch)	Symmetrical lengths (-) 750/29.5 and (+) 750/29.5 H4 connector
Wind Loads	2400 Pascal
Snow Loads	5400 Pascal

TEMP.CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT**)	45±2°C
Temp. coefficient of Pmax	-0.47 %/°C
Temp. coefficient of Voc	-0.34 %/°C
Temp. coefficient of Isc	0.045 %/°C

*STC: Irradiance 1000W/m2, module temperature 25°C, AM=1.5
 **NOCT: Irradiance 800W/m2, ambient temperature 20°C, wind speed 1m/s