

STP085D-12/BEA



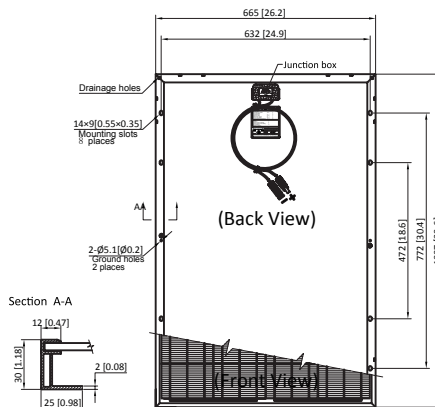
25-YEAR WARRANTY



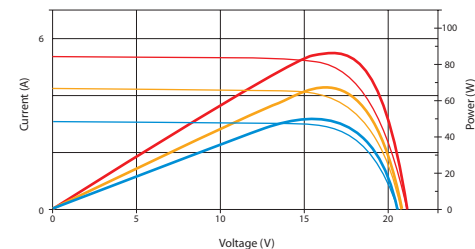
for IEC Certified Module



for UL Certified Module



Module IV Graph 85W



— STC IV data — 800 W/m² IV data — 600 W/m² IV data
 — STC PV data — 800 W/m² PV data — 600 W/m² PV data

ELECTRICAL CHARACTERISTICS

Open-Circuit Voltage (Voc)	22.0 V
Optimum Operating Voltage (Vmp)	17.6 V
Short-Circuit Current (Isc)	5.13 A
Optimum Operating Current (Imp)	4.83 A
Maximum Power at STC* (Pmax)	85 Wp
Operating Temperature	-40°C to +85°C
Maximum System Voltage	1000 V (IEC) 600 V (UL)
Maximum Series Fuse Rating	15 A
Power Tolerance	±5 %
Nominal Voltage	12V

MECHANICAL CHARACTERISTICS

Solar Cell	Polycrystalline
No. of Cells	36 (4×9)
Dimensions (mm/inch)	1007×665×30mm / 39.6×26.2×1.2inch
Weight (kg/lbs)	8 Kgs / 17.6 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