



ESF-100PB

High Efficiency, High Quality PV Module

Electrical Characteristics	ESF 100PB
Maximum power (Pmax)	100W
Voltage at Pmax (Vmp)	17.4V
Current at Pmax (Imp)	5.77A
Open-circuit voltage (Voc)	22.0V
Short-circuit current (Isc)	6.06A
Temperature coefficient of Voc	$-(0.40 \pm 0.05)\%/\text{ }^{\circ}\text{C}$
Temperature coefficient of Isc	$(0.065 \pm 0.01)\%/\text{ }^{\circ}\text{C}$
Temperature coefficient of power	$-(0.5 \pm 0.05)\%/\text{ }^{\circ}\text{C}$
NOCT (Air 20°C; Sun 0.8kW/m ² wind 1m/s)	47±2°C
Operating temperature	-40°C to 85°C
Maximum system voltage	600V DC
Power tolerance	+ 3%
Cells	multicrystalline silicon solar cell
No. of cells and connections	72(4X18)
Module Dimension	1020mm[40.16in.]x670mm[26.38in.]x30mm[1.18in.]
Weight	7.74kg[17.02lbs]

* STC:Irradiance 1000W/m², AM1.5 spectrum, module temperature 25°C

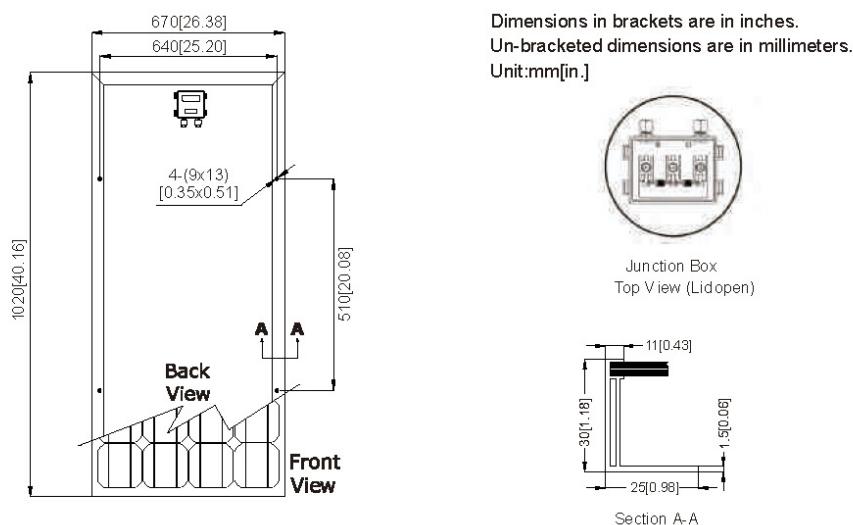
* Specifications are subject to change without notice at any time.



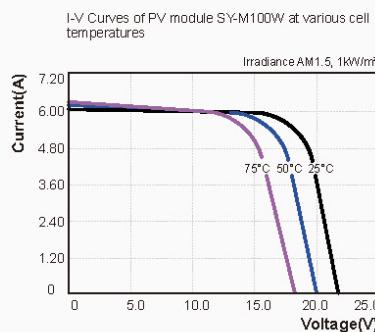
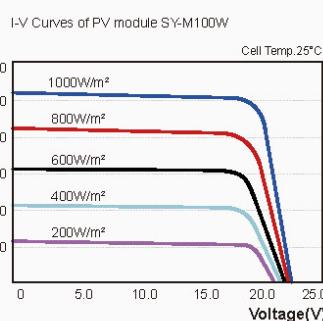
Key Features:

- High module efficiency and stable power output
- Based on leading process technology
- Outstanding electrical performance under high temperature conditions or low irradiance conditions
- Easy of installation and all-weather applications
- 5 years product warranty(materials and workmanship)
- 20 years module power output warranty
- Peak power of single module is guaranteed in +3% power tolerance
- Strong framed module, passing loaded test of 5400 Pa (IEC61215 2nd)
- The manufacturer is certified for ISO 9001:2000

Module Diagram



I-V Curves



EASTECH ELECTRIC S.A.U.