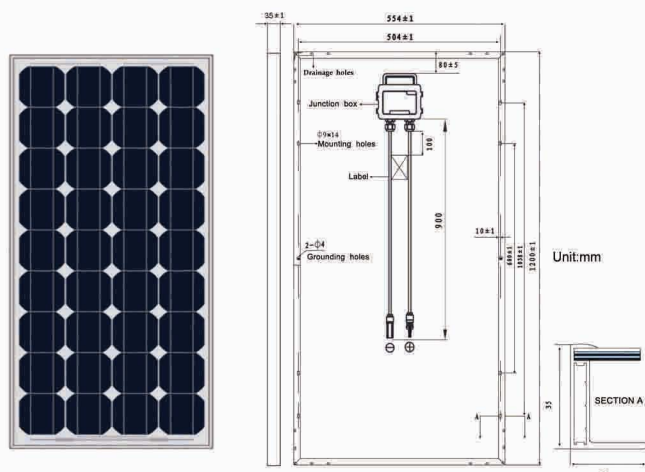
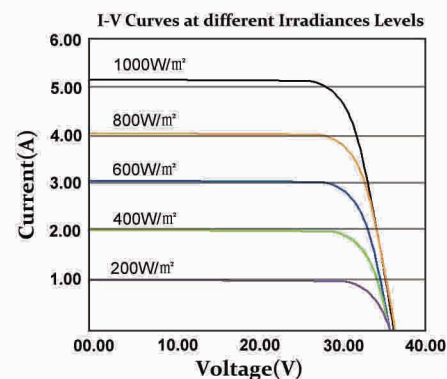


MONOCRYSTALLINE SOLAR MODULE

HSPV85-100Wp 125M 36 SERIES



I-V CURVE



MECHANICAL PARAMETERS

Solar Cell	36(4x9) mono solar cells 125 x 125 mm
Front Cover	3.2 mm thick, tempered glass
Back Cover	TPT (Tedlar-PET-Tedlar)
Encapsulant	EVA (ethylene vinyl acetate)
Frame	Double-layer anodized aluminium alloy
Junction Box	IP65 rated
Cables/Connectors	4.0 mm ² 900mm / MC4 or compatible connectors
Dimensions	1200×554×35 mm
Weight	8.1 kg

WORKING CONDITIONS

Maximum System Voltage	DC1000V (IEC)
Maximum Series Fuse	10 A
Operating Temperature	-40℃~+85℃
Storage Temperature	-40℃~+85℃
Max. Wind Load / Max. Snow Load	2400Pa / 5400Pa
Application Class	Class A
Module Area (m ²)	0.68m ²
Packing configuration	608 Pcs./ 20 ft.container 1368 Pcs./ 40 ft. container

ELECTRICAL PARAMETERS

Module Type	HSPV--85Wp-125-36M	HSPV--90Wp-125-36M	HSPV--95Wp-125-36M	HSPV--100Wp-125-36M
Maximum power at STC (Pmax)	85w	90w	95w	100w
Maximum power voltage (Vmp)	18.0	18.0	18.1	18.2
Maximum power current (Imp)	4.72	5.00	5.24	5.49
Open circuit voltage (Voc)	21.6	22.0	22.2	22.4
Short circuit current (Isc)	5.30	5.56	5.68	5.85
Nominal Operating Cell Temperature	45 ± 2℃			
Temperature coefficients of Isc	+0.049% /℃			
Temperature coefficients of Voc	-0.340% /℃			
Temperature coefficients of Pmax	-0.430% /℃			
Standard Test Conditions (STC)	Irradiance 1000W/m2, Module temperature 25℃, Air Mass (AM)=1.5			
Power Production Tolerance	± 3%			

GUARANTEE

10 years for product defects in materials & workmanship
 25 years transferrable power output warranty: 10 years at 90% of the minimal rated power output, 25 years at 80% of the minimal rated power output