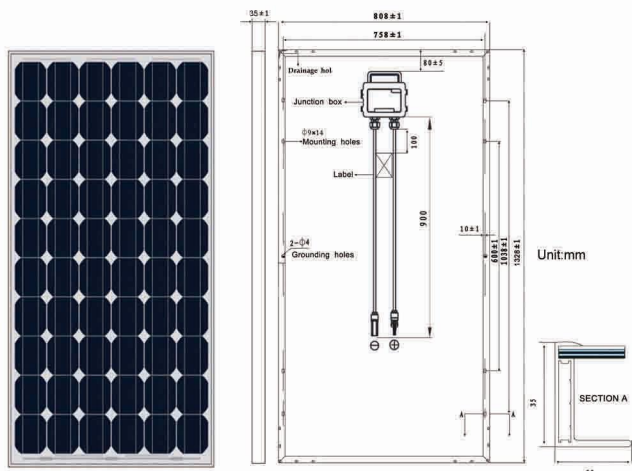
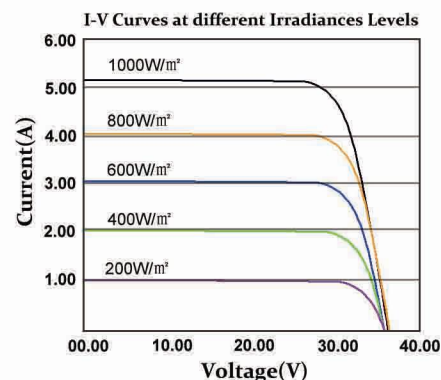


# MONOCRYSTALLINE SOLAR MODULE

## HSPV140-170Wp 125M 60 SERIES



### I-V CURVE



### MECHANICAL PARAMETERS

Solar Cell	60(6x10) 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 mm² 900mm / MC4 or compatible connectors
Dimensions	1328×808×35 mm
Weight	13 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 (m²)	1.08m²
Packing configuration	510 Pcs./ 20 ft, container 1060 Pcs./ 40 ft, container

### ELECTRICAL PARAMETERS

Module Type	HSPV140Wp -125-60M	HSPV145Wp -125-60M	HSPV150Wp -125-60M	HSPV155Wp -125-60M	HSPV160Wp -125-60M	HSPV165Wp -125-60M	HSPV170Wp -125-60M
Maximum power at STC (Pmax)	140w	145w	150w	155w	160w	165w	170w
Maximum power voltage (Vmp)	29.5	29.7	29.9	30.1	30.2	30.4	30.6
Maximum power current (Imp)	4.75	4.88	5.02	5.15	5.30	5.42	5.58
Open circuit voltage (Voc)	35.4	35.6	35.8	36.0	36.2	36.2	36.4
Short circuit current (Isc)	5.46	5.62	5.77	5.93	6.08	6.18	6.33
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

