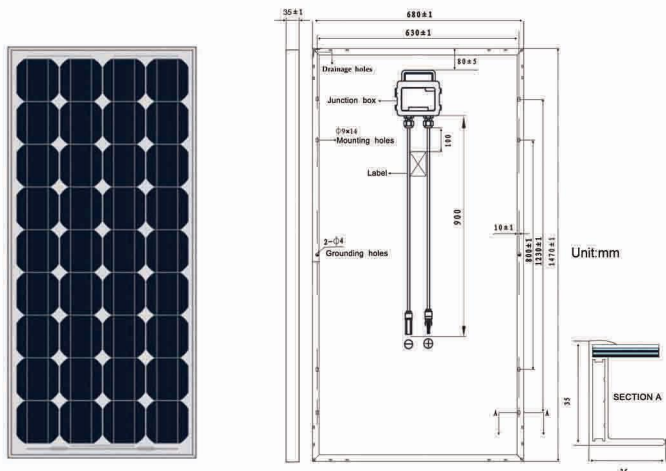
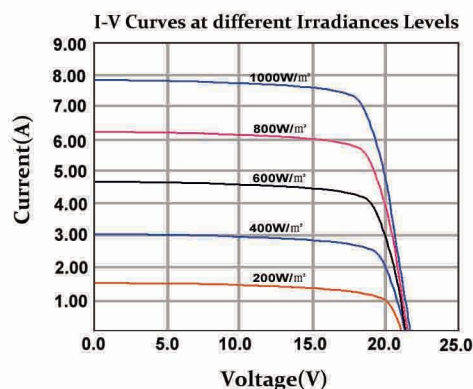


# MONOCRYSTALLINE SOLAR MODULE

## HSPV130-160Wp 156M 36 SERIES



### I-V CURVE



### MECHANICAL PARAMETERS

Solar Cell	36(4x9) mono solar cells 156 x 156 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 <sup>2</sup> 900mm / MC4 or compatible connectors
Dimensions	1470×680×35 mm
Weight	12.0kg

### WORKING CONDITIONS

Maximum System Voltage	DC1000V (IEC)
Maximum Series Fuse	15 A
Operating Temperature	-40℃~+85℃
Storage Temperature	-40℃~+85℃
Max. Wind Load / Max. Snow Load	2400Pa / 5400Pa
Application Class	Class A
Module Area (m <sup>2</sup> )	1.00m <sup>2</sup>
Packing configuration	440 Pcs./ 20 ft, container 920 Pcs./ 40 ft, container

### ELECTRICAL PARAMETERS

Module Type	HSPV130Wp -156-36M	HSPV135Wp -156-36M	HSPV140Wp -156-36M	HSPV145Wp -156-36M	HSPV150Wp -156-36M	HSPV155Wp -156-36M	HSPV160Wp -156-36M
Maximum power at STC (Pmax)	130w	135w	140w	145w	150w	155w	160w
Maximum power voltage (Vmp)	17.6	17.7	17.8	17.9	18.0	18.1	18.2
Maximum power current (Imp)	7.39	7.63	7.87	8.10	8.33	8.56	8.79
Open circuit voltage (Voc)	21.5	21.5	21.8	22.0	22.0	22.4	22.4
Short circuit current (Isc)	8.06	8.37	8.56	8.78	9.10	9.10	9.27
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/m <sup>2</sup> , 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



SHANDONG HILIGHT-SOLAR CO.,LTD. Add:Mazhuang Country Daixi Office,Zouping,Shandong,China 256200

Tel:(86) 543 4349525

Email:info@hilight-solar.com

www.hilight-solar.com