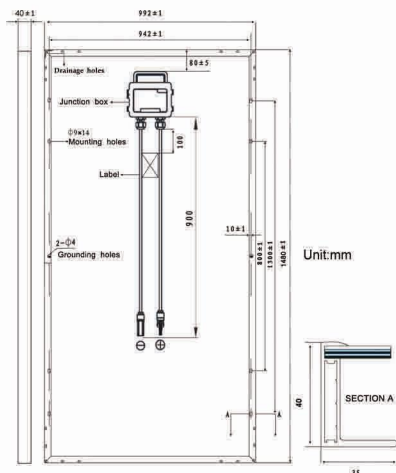
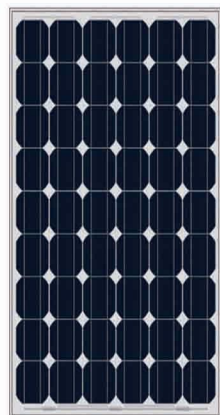
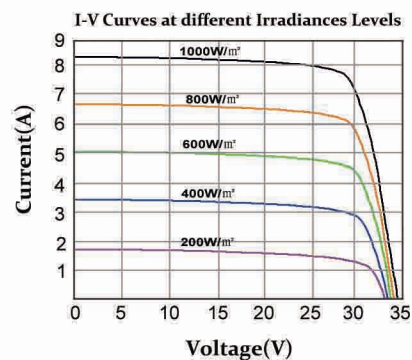


# MONOCRYSTALLINE SOLAR MODULE

## HSPV195-235Wp 156M 54 SERIES

### I-V CURVE



### MECHANICAL PARAMETERS

Solar Cell	54(6x9) 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	1480×992×40 mm
Weight	17.5kg

### 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> )	1.47m <sup>2</sup>
Packing configuration	252 Pcs./ 20 ft, container 560 Pcs./ 40 ft, container

### ELECTRICAL PARAMETERS

Module Type	HSPV195Wp -156-54M	HSPV200Wp -156-54M	HSPV205Wp -156-54M	HSPV210Wp -156-54M	HSPV215Wp -156-54M	HSPV220Wp -156-54M	HSPV225Wp -156-54M	HSPV230Wp -156-54M	HSPV235Wp -156-54M
Maximum power at STC (Pmax)	195w	200w	205w	210w	215w	220w	225w	230w	235w
Maximum power voltage (Vmp)	26.5	26.6	26.7	26.8	26.9	27.0	27.1	27.1	27.2
Maximum power current (Imp)	7.36	7.52	7.68	7.84	7.99	8.15	8.30	8.49	8.64
Open circuit voltage (Voc)	32.0	32.2	32.4	32.5	32.6	32.8	32.9	32.9	33.0
Short circuit current (Isc)	8.12	8.28	8.44	8.62	8.79	8.71	9.00	9.20	9.37
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

