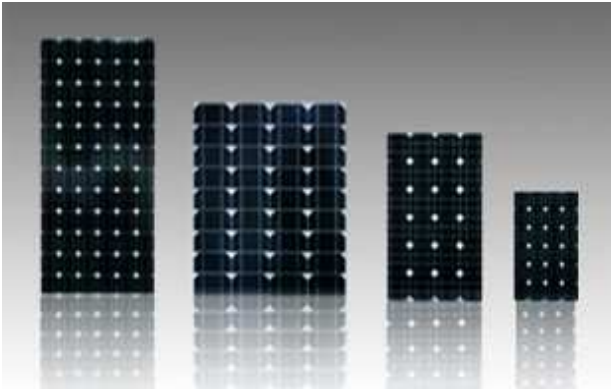


MONOCRYSTALLINE SOLAR MODULE

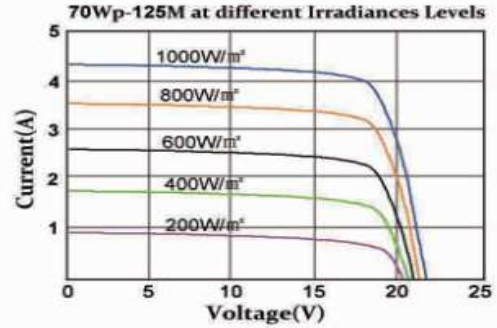


Hilight Solar
power your future

HSPV10-70Wp 125M SERIES



I-V CURVE



MECHANICAL PARAMETERS

Solar Cell	Mono solar cells 5"
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	Nil

WORKING CONDITIONS

Maximum System Voltage	DC1000V (IEC)
Maximum Series Fuse	5 A
Operating Temperature	-40℃~+85℃
Storage Temperature	-40℃~+85℃
Max. Wind Load / Max. Snow Load	2400Pa / 5400Pa
Application Class	Class A
Packing configuration	4-5pcs/bundle

ELECTRICAL PARAMETERS

Module Type	HSPV10Wp	HSPV20Wp	HSPV30Wp	HSPV40Wp	HSPV50Wp	HSPV60Wp	HSPV70Wp
Maximum power at STC (Pmax)	10w	20w	30w	40w	50w	60w	70w
Maximum power voltage (Vmp)	17.6	17.6	17.7	17.8	17.8	17.8	17.8
Maximum power current (Imp)	0.57	1.14	1.69	2.22	2.78	3.37	3.89
Open circuit voltage (Voc)	22.0	22.0	22.0	22.0	22.0	22.0	22.0
Short circuit current (Isc)	0.61	1.21	1.82	2.42	3.03	3.64	4.24
Dimensions of module (mm)	340×300×17 mm	530×300×17mm / 560×360×35mm	440×550×23 mm	630×550×23 mm	630×550×23 mm	840×550×30 mm	920×550×30 mm
Solar cell PCS (Array)	36 PCS(2x18)	36 PCS(2x18)	36 PCS(4x9)	36 PCS(4x9)	36 PCS(4x9)	36 PCS(4x9)	36 PCS(4x9)
Module Area (m²)	0.10	0.16	0.24	0.35	0.35	0.46	0.51
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

