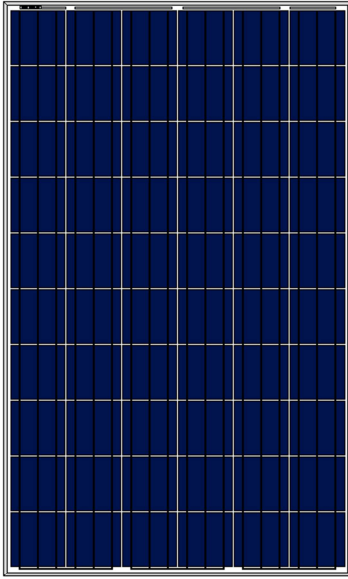


## POLYCRYSTALLINE SOLAR MODULE

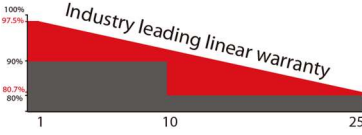


Electrical Performance (STC: AM 1.5, 1000W/m <sup>2</sup> , 25°C)					
Module Type	ST285P6-60	ST280P6-60	ST275P6-60	ST270P6-60	ST265P6-60
Maximum Power (Pmax / W)	285	280	275	270	265
Power Tolerance	0 ~ +5W	0 ~ +5W	0 ~ +5W	0 ~ +5W	0 ~ +5W
Maximum Power Voltage (Vm / V)	31.5	31.3	31.2	31.1	30.9
Maximum Power Current (Im / A)	9.05	8.95	8.82	8.69	8.58
Open Circuit Voltage (Voc / V)	38.6	38.3	38.1	37.9	37.0
Short Circuit Current (Isc / A)	9.57	9.41	9.27	9.15	9.04
Module Efficiency (%)	17.52	17.21	16.90	16.60	16.29

Electrical Performance (NOCT: wind speed 1m/s, 800W/m <sup>2</sup> , 20°C)					
Module Type	ST285P6-60	ST280P6-60	ST275P6-60	ST270P6-60	ST265P6-60
Maximum Power (Pmax / W)	211.1	206.3	200.6	198.0	193.2
Maximum Power Voltage (Vm / V)	29.1	28.8	28.7	28.4	28.2
Maximum Power Current (Im / A)	7.25	7.17	7.00	6.98	6.86
Open Circuit Voltage (Voc / V)	35.8	35.2	35.0	34.9	34.7
Short Circuit Current (Isc / A)	7.75	7.63	7.52	7.42	7.31

Mechanical Properties		Operation Conditions	
Dimensions (L×W×H / mm)	1640×992×35	Maximum System Voltage (VDC)	1000 (IEC)
Weight (Kgs)	18	Maximum Series Fuse Rating (A)	20
Solar Cells	Polycrystalline 6inches	Operating Module Temperature (°C)	-40 to +85
No. of Cells	60 (6×10)		
Glass	3.2mm tempered glass	Temperature Properties	
Frame	Anodized aluminum alloy	Normal Operating Cell Temperature	45±2 °C
Junction box	IP67, 3 bypass diodes	Temperature Coefficient of Pm	-0.41 %/°C
Cables	4mm <sup>2</sup> , length 1000mm	Temperature Coefficient of Voc	-0.33 %/°C
Connectors	IP67, MC4 compatible	Temperature Coefficient of Isc	+0.067 %/°C

System Design		Packing Configuration	
Hail safety impact velocity	D 25mm at 23mm/s	Container Sizes	20GP      40HC
Static Load (Front/Back)	5400Pa/2400Pa	Pieces per pallet	30            30
Application class	Class A	Pallets per Contain	6             28
Fire safety class (IEC61730)	Class C	Total pieces	180          840



12-year product warranty  
25-year linear performance warranty

