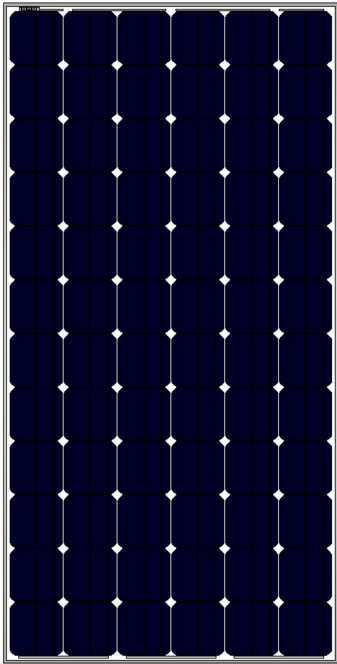


## MONOCRYSTALLINE SOLAR MODULE



### Electrical Performance (STC: AM 1.5, 1000W/m<sup>2</sup>, 25°C)

Module Type	ST380M6-72	ST375M6-72	ST370M6-72	ST365M6-72	ST360M6-72	ST355M6-72
Maximum Power (Pmax / W)	380	375	370	365	360	355
Power Tolerance	0 ~ +5W	0 ~ +5W	0 ~ +5W	0 ~ +5W	0 ~ +5W	0 ~ +5W
Maximum Power Voltage (Vm / V)	39.2	39.0	38.8	38.6	38.4	38.2
Maximum Power Current (Im / A)	9.71	9.62	9.54	9.46	9.38	9.30
Open Circuit Voltage (Voc / V)	48.1	47.8	47.6	47.4	47.1	46.9
Short Circuit Current (Isc / A)	10.23	10.14	10.06	9.97	9.91	9.83
Module Efficiency (%)	19.59	19.33	19.07	18.81	18.56	18.30

### Electrical Performance (NOCT: wind speed 1m/s, 800W/m<sup>2</sup>, 20°C)

Module Type	ST380M6-72	ST375M6-72	ST370M6-72	ST375M6-72	ST370M6-72	ST365M6-72
Maximum Power (Pmax / W)	282.2	277.1	272.8	269.1	264.8	259.9
Maximum Power Voltage (Vm / V)	36.1	35.9	35.7	35.6	35.4	35.3
Maximum Power Current (Im / A)	7.82	7.73	7.64	7.57	7.49	7.37
Open Circuit Voltage (Voc / V)	44.5	44.1	43.8	43.6	43.4	43.3
Short Circuit Current (Isc / A)	8.33	8.21	8.14	8.07	7.99	7.86

### Mechanical Properties

Dimensions (L×W×H / mm)	1956×992×40	Maximum System Voltage (VDC)	1000 (IEC)
Weight (Kgs)	22	Maximum Series Fuse Rating (A)	20
Solar Cells	Monocrystalline 6 inches	Operating Module Temperature (°C)	-40 to +85
No. of Cells	72 (6×12)		
Glass	3.2mm tempered glass		
Frame	Anodized aluminum alloy		
Junction box	IP 67, 3 bypass diodes		
Cables	4mm <sup>2</sup> , length 1100mm		
Connectors	IP67, MC4 compatible		

### Operation Conditions

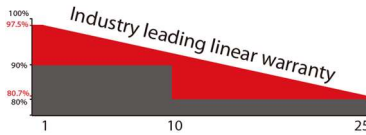
### Temperature Properties

Normal Operating Cell Temperature	45±2 °C
Temperature Coefficient of Pm	-0.40 %/°C
Temperature Coefficient of Voc	-0.34 %/°C
Temperature Coefficient of Isc	+0.060 %/°C

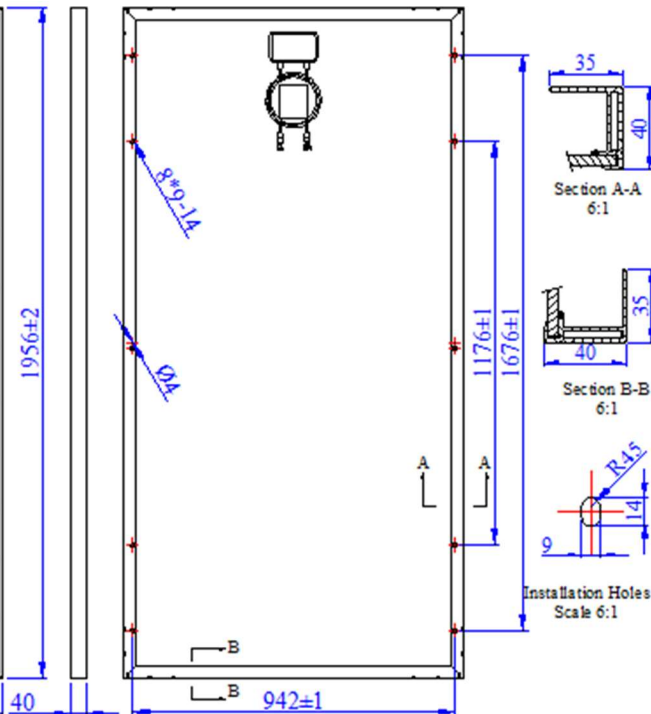
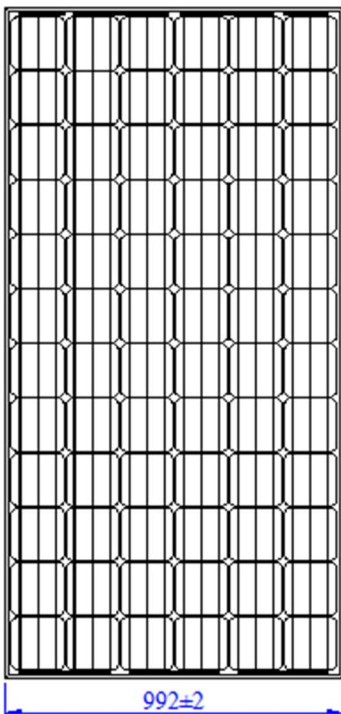
### System Design

Hail safety impact velocity	D 25mm at 23mm/s	Container Sizes	20GP	40HC
Static Load (Front/Back)	5400Pa/2400Pa	Pieces per pallet	26	26
Application class	Class A	Pallets per Container	5	24
Fire safety class (IEC61730)	Class C	Total pieces	130	624

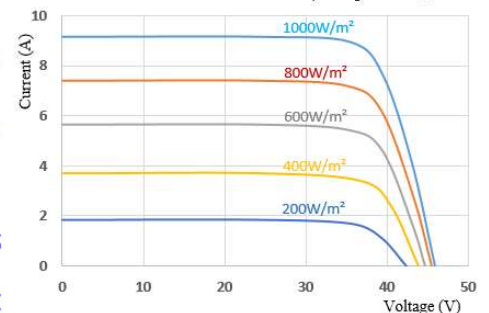
### Packing Configuration



12-year product warranty  
25-year linear performance warranty



I-V Curves at different irradiances, Temp.cell 25°C



I-V Curves at different cell temperatures, AM1.5, 1000W/m<sup>2</sup>

