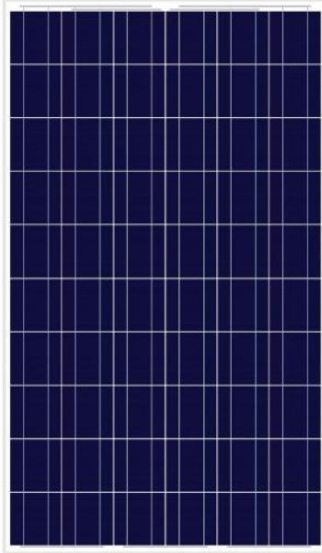




6 x10 Series 6" Cell Module



Features

- 60 presorted high efficient multi-crystalline silicon solar cells.
- Long term stability by quality control and exact tuning of components.
- Sorting limit of module classification to 0/+4.99 Watt.
- TUV mechanical load test certificate upon 5400 Pa.

Quality and safety

- 5 years material and workmanship warranty.
- 10 years of 90% and 25 years of 80% power output limited warranty.
- Rigorous quality control meeting the highest international standards: ISO 9001 and ISO 14001.
- Certificated by IEC 61215 & IEC 61730 standard and conformity to CE.
- Certificated by UL1703/ULC1703 standard and listed on CEC.



Electrical characteristics under standard test condition (STC) ¹			
Typical power (Pmax) ²	225 W	230W	235W
Voltage at typical power (Vmp)	29.05V	29.38V	29.72V
Current at typical power (Imp)	7.77 A	7.84A	7.93A
Open circuit voltage (Voc)	37.26V	37.42V	37.8V
Short circuit current (Isc)	8.47 A	8.51A	8.59A
Module Efficiency	13.73 %	14.03%	14.34%
Maximum system voltage	1000 V		
Fuse rating	15 A		
<i>Application</i>	<i>DC 24 V system</i>		
<i>System cell</i>	<i>156mm*156mm Multi-crystalline silicon</i>		
<i>No. of cells and connections</i>	<i>60 PCS in series (6 × 10)</i>		

1. STC: AM1.5, 1000 W/m², cell temperature of 25 °C.
2. Power tolerance at maximum power under STC condition = ± 3%.

Parameters of the thermal characteristics	
<i>NOCT (Nominal Operating Cell Temperature)</i>	<i>47±2 °C</i>
Temperature coefficient α of current Isc	0.0254 %/°C
Temperature coefficient β of voltage Voc	-0.3003 %/°C
Temperature coefficient γ of peak power Pmax	-0.4147 %/°C

Absolute maximum ratings	
<i>Operating temperature</i>	<i>-40 to +85 °C</i>
<i>Storage temperature</i>	<i>-40 to +85 °C</i>

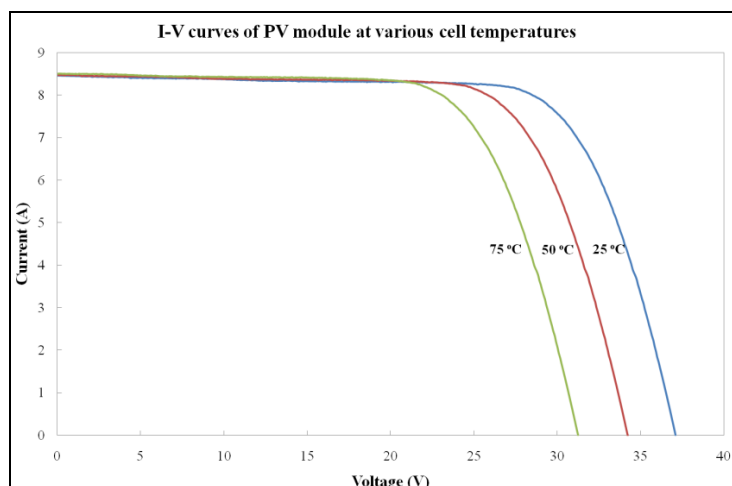
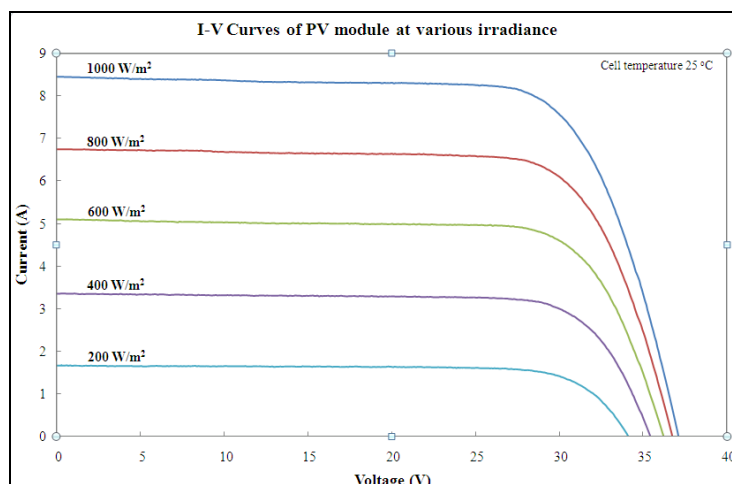
Mechanical characteristics		
Dimension (Length*Width*Thickness)	1652 mm * 992 mm * 50 mm	
Weight	Approx. 18.8 kg	
<i>Packing configuration</i>		
<i>Size of pallet (carton)</i>	<i>1698 mm * 1114 mm *105 mm</i>	
<i>Container size</i>	<i>20 ft.</i>	<i>40 ft.</i>
<i>Pallets per container</i>	<i>12</i>	<i>28</i>
<i>Pieces per container</i>	<i>240</i>	<i>560</i>
<i>Construction</i>	<i>High transmission low-iron tempered glass, 3.2 mm</i> <i>Encapsulates: EVA</i> <i>Frame : Clear anodized aluminum,</i>	

	<i>AL6063-T5</i>
<i>Junction box</i>	<i>IP65, weatherproof</i>
<i>Bypass diodes</i>	<i>3 diodes to avoid power decreasing by shade</i>
<i>Output cable</i>	<i>4 mm² cable with polarized weatherproof connectors Negative 1000 mm, Positive 1000 mm</i>
<i>Cable extraction force</i>	<i>>400 Newton</i>
<i>Connector</i>	<i>IP67</i>

Performance at variable irradiance

- ☀ Module efficiency at 200 W/m², 25 °C is lower than that at STC by approximately 6.3% (relative).

I-V curves for 225W Module



Module dimensions

