

## Specifications of TW ( 240~260 ) P-60 Polycrystalline solar module

<b>Electrical Characteristics at Standard Test Conditions(STC)</b>					
Module Type: TW ___ P-60	270W	265W	260W	255W	250W
Peak Power Watts-Pm [W]	270	265	260	255	250
Open Circuit Voltage-Voc [V]	38	37.9	37.8	37.7	37.6
Short Circuit Current-Isc [A]	9.22	9.14	9.06	8.97	8.89
Maximum Power Voltage-Vm [V]	30.5	30.4	30.3	30.1	29.9
Maximum Power Current-Im[A]	8.88	8.73	8.58	8.42	8.36
Module Efficiency-η[%]	16.60	16.30	16.00	15.70	15.40
<b>Electrical Characteristics at Normal Operating Cell Temperature(NOCT)</b>					
Peak Power Watts-Pm [W]	188	185	181	178	174
Open Circuit Voltage-Voc [V]	34.6	34.5	34.2	34.0	34.0
Short Circuit Current-Isc [A]	7.16	7.10	7.02	6.95	6.89
Maximum Power Voltage-Vm [V]	28.0	27.9	27.5	27.2	27.0
Maximum Power Current-Im[A]	6.72	6.64	6.58	6.54	6.44
<small>Note: 1. Standard Test Conditions [STC]: irradiance 1000 W/m<sup>2</sup>; AM 1.5; ambient temperature 25°C according to EN 60904-3;                  2. Normal Operating Cell Temperature (NOCT): Irradiance 800W/ m<sup>2</sup>; wind speed 1 m/s; cell temperature 45°C; ambient temperature 20°C.                  3. Tolerance of Pm: 0~+5%, Measuring uncertainty of power: ±3%. Performance deviation of Voc [V], Isc [A], Vm [V] and Im [A]: ±5%.</small>					

<b>Temperature Characteristics</b>	
Normal Operating Cell Temperature	45°C (±2°C)
Temperature Coefficient of Voc	-0.31%/°C
Temperature Coefficient of Isc	+0.041%/°C
Temperature Coefficient of Pm	-0.43%/°C

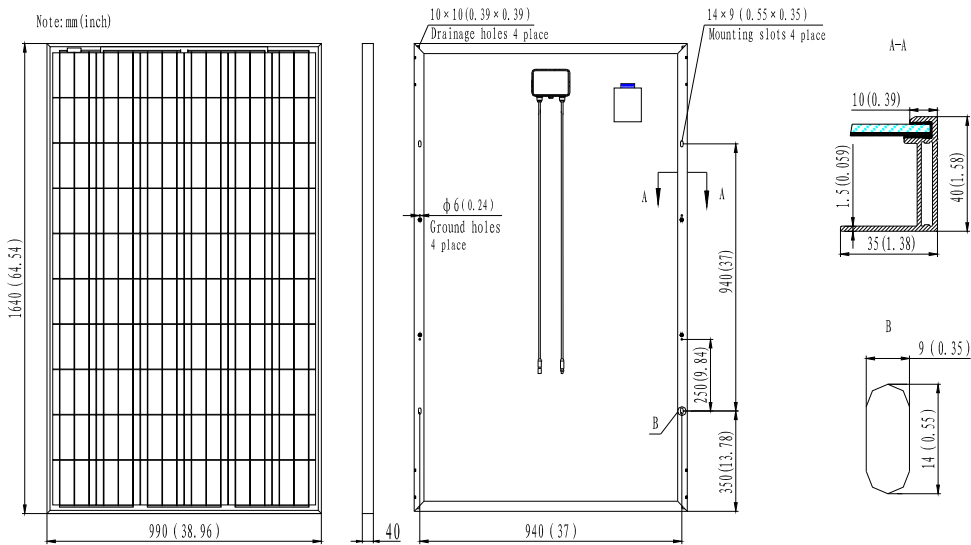
<b>Mechanical Characteristics</b>	
Dimensions	1640×990×40mm (L×W×H)
Weight	19.1kg
Front Glass	White toughened safety glass, 3.2 mm
Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Cells	6×10 pieces 156×156mm polycrystalline solar cells series strings
Back Sheet	Composite film
Frame	Anodized aluminum profile
Junction Box	Rated current ≥ 12A, IP67, TUV&UL

Cable	Length 900 mm, 1×4 mm <sup>2</sup>
Connector	Compatible with MC4

Maximum Ratings	
Maximum System Voltage [V]	DC 1000(IEC); DC 600(UL)
Series Fuse Rating [A]	20
Maximum Surface Load Capacity [Pa]	5,400
Temperature Range [°C]	- 40 to + 85
Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23 m·s <sup>-1</sup>

Other Characteristics	
Packaging	26pcs/box; 728pcs/40'container
Warranty	10 year Product Workmanship Warranty 25 year Linear Power Warranty

## Dimensions



## I-V Curves

