

**15.98%**  
Max Module Efficiency

**260W**  
Max Power Output

**12 Year**  
Product Warranty

**25 Year**  
Linear Power Warranty

## Certifications



# XTP6-60



### Positive tolerance

Guaranteed power output positive tolerance from 0 to 3%.



### Smart auto-recognition of weak light performance

Smart light auto-recognition under the condition of low irradiance and hazy light (mornings, evenings and cloudy days).



### Steady resistance to strong hailstone, wind and snow loads

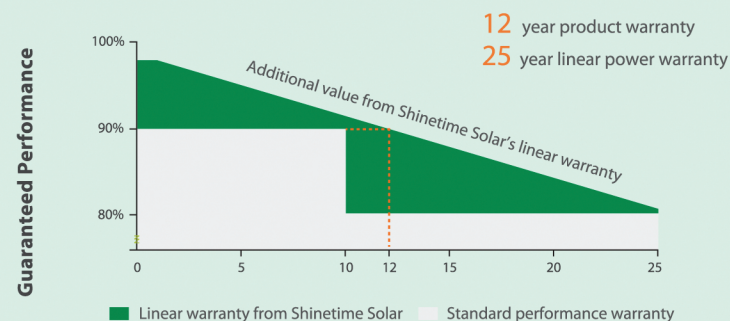
Special frame construction certified to ensure high wind loads (2400 Pa), snow loads (5400 Pa) and hailstone (40mm/4.5m/s).



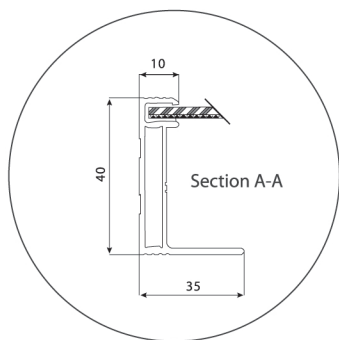
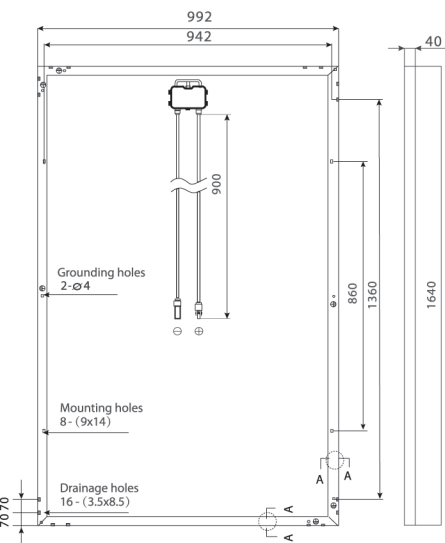
### Certified manufacturing facility

Manufacturing facility certified by TUV Rheinland to ISO 9001:2008, ISO 14001:2004.

## Linear Performance Warranty



Unit: mm



## Electrical Data @ STC

	XTP6-60-250	XTP6-60-255	XTP6-60-260	XTP6-60-265	XTP6-60-270
Peak Power Watts - P <sub>MAX</sub> (Wp)	250	255	260	265	270
Nominal Power Voltage - V <sub>mp</sub> (V)	29.9	30.3	30.6	30.9	31.2
Nominal Power Current - I <sub>mp</sub> (A)	8.36	8.42	8.50	8.58	8.65
Open Circuit Voltage - V <sub>oc</sub> (V)	37.7	37.8	38.0	38.3	38.6
Short Circuit Current - I <sub>sc</sub> (A)	8.91	8.97	9.03	9.09	9.15
Module Efficiency - $\eta$ m (%)	15.37	15.67	15.98	16.29	16.6

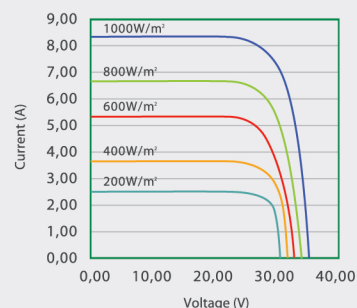
Values at Standard Test Conditions STC (Air Mass: AM1.5, Irradiance: 1000W/m<sup>2</sup>, Cell Temperature: 25 °C).

## Electrical Data @ NOCT

	XTP6-60-250	XTP6-60-255	XTP6-60-260	XTP6-60-265	XTP6-60-270
Maximum Power - P <sub>MAX</sub> (W)	181	184	187	190	193
Maximum Power Voltage - V <sub>mp</sub> (V)	27.9	28.0	28.1	28.2	28.3
Maximum Power Current - I <sub>mp</sub> (A)	6.50	6.58	6.67	6.74	6.82
Open Circuit Voltage - V <sub>oc</sub> (V)	34.3	34.4	34.5	34.6	34.7
Short Circuit Current - I <sub>sc</sub> (A)	6.89	6.95	7.02	7.09	7.16

NOCT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20 °C, Wind Speed 1m/s.

## I-V Curves of PV Module XTP6-60



Average efficiency reduction of 4.5% at 200W/m<sup>2</sup> according to EN 60904-1.

## Temperature Ratings

Nominal Operating Cell Temperature (NOCT)	(45±3) °C
Temperature Coefficient of P <sub>MAX</sub>	(-0.402) %/K
Temperature Coefficient of V <sub>oc</sub>	(-0.344) %/K
Temperature Coefficient of I <sub>sc</sub>	(0.052) %/K



## Operating Conditions

Maximum System Voltage	1000V <sub>DC</sub>
Max Series Fuse Rating	15A
Operating Temperature Range	-40 °C ~ +85 °C
Max. Static Load, Front	5400Pa
Max. Static Load, Back	2400Pa
Max. Hailstone Impact	40mm/4.5m/s

## Mechanical Data

Solar Cells	Polycrystalline 156*156 mm (6 inches)
Cells Orientation	60 cells (6*10)
Module Dimension	1640*992*40 mm
Weight	19.5 kg
Glass	High transparency and low-iron tempered solar glass 3.2 mm (0.13 inches)
Frame	Silver color anodized aluminum alloy
Junction Box	IP 67 rated
Cable	Photovoltaic technology cable: 4.0mm <sup>2</sup> (0.006 inches <sup>2</sup> ), 900mm (35.4 inches),
Connector	MC4 Compatible/IP65 or MC4 Original/IP67

## Warranty

12 year workmanship warranty
25 year linear performance warranty (12 year 90% power output, 25 year 80% power output)

## Packaging Configuration

26pcs per ctn, 2pcs per box, (2ctns+2boxes) per plt, 14 plts (784pcs) per 40'HQ
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Warning: read the installation manual before handing, installing and operating Shinetime Solar modules. All rights reserved. Specifications include in this datasheet are subject to change without notice.

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