



# XTM6-60



## 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.





# Certifications















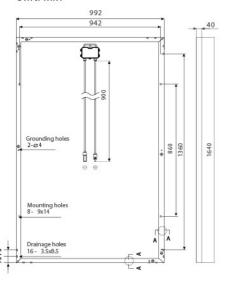


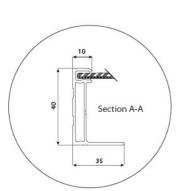


# Linear Performance Warranty 12 year product warranty 100% Additional value from Shinetime Solar's linear warranty 25 year linear power warranty **Guaranteed Performance** 80% Linear warranty from Shinetime Solar Standard performance warranty



#### Unit: mm







Electrical Data @ STC	XTM6-60-250	XTM6-60-255	XTM6-60-260	XTM6-60-265	XTM6-60-270
Peak Power Watts - PMAX (Wp)	250	255	260	265	270
Nominal Power Voltage - Vmp (V)	30.3	30.6	30.8	31.1	31.3
Nominal Power Current - Imp (A)	8.25	8.33	8.44	8.52	8.63
Open Circuit Voltage - Voc (V)	37.7	37.9	38.1	38.3	38.5
Short Circuit Current - Isc (A)	8.77	8.85	8.93	9.01	9.09
Module Efficiency - ηm (%)	15.37	15.67	15.98	16.29	16.60

Values at Standard Test Conditions STC (Air Mass: AM1.5, Irradiance: 1000W/m², Cell Temperature: 25 ).

Electrical Data @ NOCT	XTM6-60-250	XTM6-60-255	XTM6-60-260	XTM6-60-265	XTM6-60-270
Maximum Power - PMAX (W)	181	185	189	193	197
Maximum Power Voltage - Vmp (\	7) 27.6	27.7	27.8	27.9	28.0
Maximum Power Current - Imp (A	6.58	6.68	6.79	6.92	7.04
Open Circuit Voltage - Voc (V)	35.1	35.2	35.2	35.3	35.4
Short Circuit Current - Isc (A)	7.02	7.13	7.15	7.22	7.29

NOCT: Irradiance at 800W/m², Ambient Temperature 20 , Wind Speed 1 m/s.

### I-V Curves of PV Module XTM6-60 9,00 1000W/m<sup>2</sup> 8,00 7,00 800W/m<sup>3</sup> 6,00 600W/m<sup>2</sup> 5,00 400W/m<sup>3</sup> 4,00 3,00 200W/m<sup>2</sup> 2,00 1,00 0.00 0,00 10,00 20,00 30,00 40,00

voltage (v)	
Average effiency redution of 4.5% at 200W/m <sup>2</sup> according to EN 60904-1.	

	Temperature Ratings				
ı	Nominal Operating Cell Temperature (NOCT)	(45±3)			
	Temperature Coefficient of PMAX	(-0.412) %/k			
	Temperature Coefficient of Voc	(-0.344) %/k			
	Temperature Coefficient of Isc	(0.052) %/k			



Operating Conditions	
Maximum System Voltage	1000Vbc
Max Series Fuse Rating	15A
Operating Temperature Range	-40 ~+85
Max. Static Load, Front	5400Pa
Max. Static Load, Back	2400Pa
Max. Hailstone Impact	40mm/4.5m/s

Mechanical Data		
Solar Cells	Monocrystalline 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)

### **Packing Configuration**

26pcs per ctn, 2pcs per box, (2ctns+2boxes) per plt, 14 plts (784pcs) per 40'HQ

Warning: read the installation manual before handing, installing and operating Shinetime Solar modules. © 2015 Shinetime Solar All rights reserved. Specifications include in this datasheet are subject to change without notice. Address: No.6-8 Bifa Road, Industrial Zone of Jinyun City, Zhejiang, China Tel: 86-578-3218899 Fax: 86-578-3218900

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