

Mono

# XTM6-60BK Shinetime Solar



## 15.88%

MAX MODULE EFFICIENCY

## 260W

MAX POWER OUTPUT

## 12 YEAR

PRODUCT WARRANTY

## 25 YEAR

LINEAR POWER WARRANTY



### 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 TÜV Rheinland to ISO 9001:2008, ISO14001:2004.

### CERTIFICATIONS



ZHEJIANG XIONGTAI PHOTOVOLTAIC TECHNOLOGY CO., LTD.  
www.shinetimesolar.com



NEW

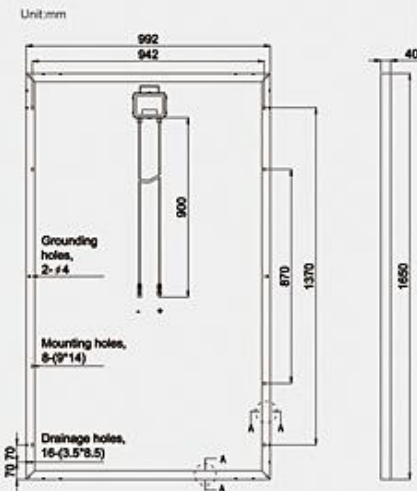
### LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty · 25 Year Linear Power Warranty

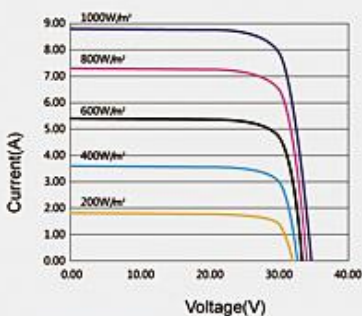


# XTM6-60BK Shinetime Solar

## DIMENSIONS OF PV MODULE XTM6-60BK



## I-V CURVES OF PV MODULE XTM6-60BK



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

Version No.

XT\_M6\_60\_EU\_EN\_20120218\_V001

ELECTRICAL DATA @ STC	XTM6-60-240BK	XTM6-60-245BK	XTM6-60-250BK	XTM6-60-255BK	XTM6-60-260BK
Peak Power Watts-P <sub>max</sub> (Wp)	240	245	250	255	260
Norminal Power Voltage-V <sub>mp</sub> (V)	30.3	30.3	30.4	30.6	30.9
Norminal Power Current-I <sub>mp</sub> (A)	7.92	8.09	8.22	8.33	8.41
Open Circuit Voltage-V <sub>oc</sub> (V)	37.80	38.00	38.20	38.30	37.9
Short Circuit Current-I <sub>sc</sub> (A)	8.35	8.43	8.50	8.58	8.92
Module Efficiency $\eta_p$ (%)	14.66%	14.97%	15.27%	15.58%	15.89%

Values at Standard Test Conditions STC(Air Mass AM 1.5, Irradiance 1000w/m<sup>2</sup>, Cell Temperature 25°C).

ELECTRICAL DATA @ NOCT	XTM6-60-240BK	XTM6-60-245BK	XTM6-60-250BK	XTM6-60-255BK	XTM6-60-260BK
Maximum Power-P <sub>max</sub> (W)	174	178	181	185	189
Maximum Power Voltage-V <sub>m</sub> (V)	27.4	27.5	27.6	27.7	27.8
Maximum Power Current-I <sub>m</sub> (A)	6.38	6.48	6.58	6.68	6.88
Open Circuit Voltage-V <sub>oc</sub> (V)	35.0	35.1	35.1	35.2	35.3
Short Circuit Current-I <sub>sc</sub> (A)	6.81	6.92	7.02	7.13	7.11

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

## MECHANICAL DATA

Solar cells	Monocrystalline 156X156mm (6 inches)
Cell orientation	60 cells(6X10)
Module dimension	1650X992X40mm
Weight	19.5kg
Glass	High transparency and low-iron tempered solar glass 3.2mm(0.13inches)
Frame	Silver colour anodized aluminium alloy
Junction Box	IP 65 rated
Cables	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

## TEMPERATURE RATINGS

Nominal Operating Cell Temperature(NOCT)	45 ± 3°C
Temperature Coefficient of P <sub>max</sub>	-0.469%/k
Temperature Coefficient of V <sub>oc</sub>	-0.328%/k
Temperature Coefficient of I <sub>sc</sub>	0.035%/k

## OPERATING CONDITIONS

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

## 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 (784 pcs) per 40'HQ.



Warning: Read the installation manual before handing, installing, and operating Shinetime Solar modules.  
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