Mono

XTM6-60BK
Shinetime Solar

15.88%
MAX MODULE EFFICIENCY

260W
MAX POWER OUTPUT

12 YEAR
PRODUCT WARRANTY

25 YEAR
LINEAR POWER WARRANTY

CERTIFICATIONS

TÜV · CE · CQC · MCS · Photon · Clean Energy Council · ISO · PV CYCLE · IEC · CHUBB

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

SHINETIME
Empower the Life

+3% **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).

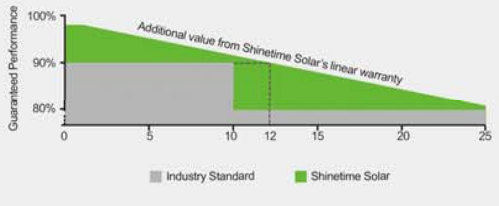
Steady resistance to strong hailstone, wind and snow loads
Special frame construction certified to ensure high wind loads (2400 Pa), snow loads (5400 Pa) and hailstone (40mm/4.5m/s).

ISO **Certified manufacturing facility**
Manufacturing facility certified by TÜV Rheinland to ISO 9001:2008, ISO14001:2004.

NEW

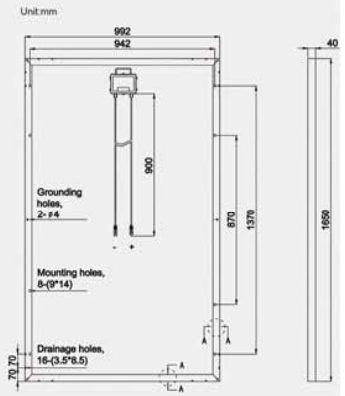
LINEAR PERFORMANCE WARRANTY

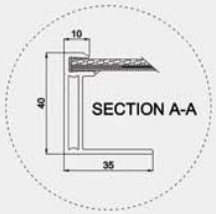
12 Year Product Warranty · 25 Year Linear Power Warranty



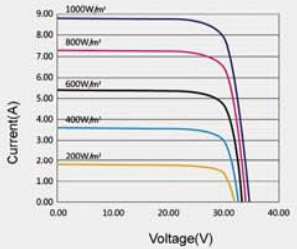
XTM6-60BK Shinetime Solar

DIMENSIONS OF PV MODULE XTM6-60BK





I-V CURVES OF PV MODULE XTM6-60BK



Average efficiency redution of 4.5% at 200w/m² 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_{MAX} (Wp)	240	245	250	255	260
Norminal Power Voltage-V_{MP} (V)	30.3	30.3	30.4	30.6	30.9
Norminal Power Current-I_{MPP} (A)	7.92	8.09	8.22	8.33	8.41
Open Circuit Voltage-V_{OC} (V)	37.80	38.00	38.20	38.30	37.9
Short Circuit Current-I_{SC} (A)	8.35	8.43	8.50	8.58	8.92
Module Efficiency η_m (%)	14.66%	14.97%	15.27%	15.58%	15.89%

Values at Standard Test Conditions STC(Air Mass AM 1.5, Irradiance 1000w/m², Cell Temperature 25℃).

ELECTRICAL DATA @ NOCT	XTM6-60-240BK	XTM6-60-245BK	XTM6-60-250BK	XTM6-60-255BK	XTM6-60-260BK
Maximum Power-P_{MAX} (W)	174	178	181	185	189
Maximum Power Voltage-V_m (V)	27.4	27.5	27.6	27.7	27.8
Maximum Power Current-I_m (A)	6.38	6.48	6.58	6.68	6.88
Open Circuit Voltage-V_{oc} (V)	35.0	35.1	35.1	35.2	35.3
Short Circuit Voltage-I_{SC} (A)	6.81	6.92	7.02	7.13	7.11

NOCT: Irradiance at 800w/m², Ambient Temperature 20℃, 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 transparancy 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 4.0mm²(0.006 inches²) 900mm(35.4 inches)
Connector	MC4 Compatible / IP65 or MC4 Original / IP67

TEMPERATURE RATINGS	
Nominal Operating Cell Temperature(NOCT)	45±3℃
Temperature Coefficient of P_{MAX}	−0.469%/k
Temperature Coefficient of V_{OC}	−0.328%/k
Temperature Coefficient of I_{SC}	0.035%/k

OPERATING CONDITIONS	
Maximum System Voltage	1000V_{DC}
Max Series Fuse Rating	15A
Operational Temperature	-40℃~+85℃
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.

SHINETIME
Empower the Life

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