

Mono

XTM5-72

Shinetime Solar

15.67%

MAX MODULE EFFICIENCY

200W

MAX POWER OUTPUT

12 YEAR

PRODUCT WARRANTY

25 YEAR

LINEAR POWER WARRANTY

CERTIFICATIONS



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



+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

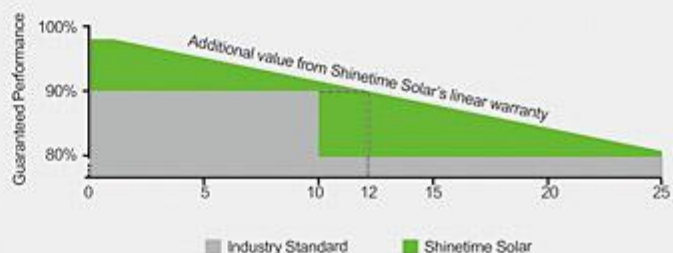
Certified manufacturing facility

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

NEW

LINEAR PERFORMANCE WARRANTY

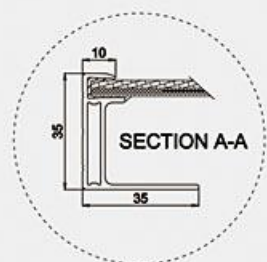
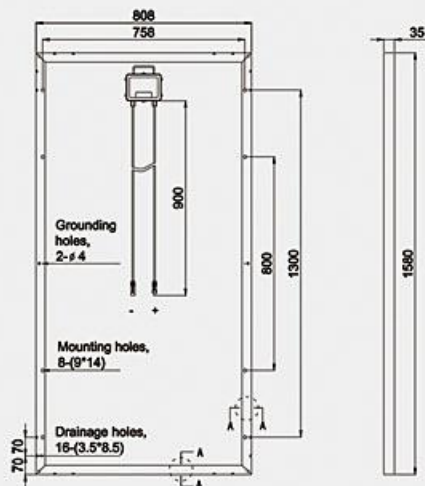
12 Year Product Warranty · 25 Year Linear Power Warranty



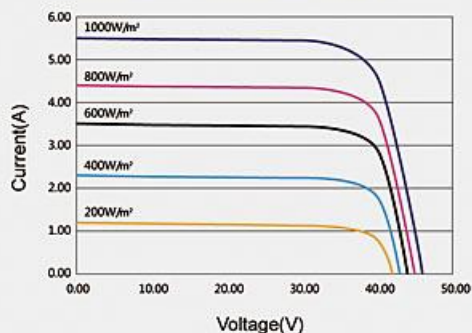
XTM5-72 Shinetime Solar

DIMENSIONS OF PV MODULE XTM5-72

Unit:mm



I-V CURVES OF PV MODULE XTM5-72



Average efficiency reduction of 4.5% at 200w/m² according to EN 60904-1.

Version No.

XT_M5_72_EU_EN_20120218_V001

ELECTRICAL DATA @ STC

	XTM5-72-185	XTM5-72-190	XTM5-72-195	XTM5-72-200
Peak Power Watts-P _{MAX} (Wp)	185	190	195	200
Normal Power Voltage-V _{MPP} (V)	36.3	36.5	36.7	36.9
Normal Power Current-I _{MPP} (A)	5.10	5.21	5.31	5.42
Open Circuit Voltage-V _{OC} (V)	45.10	45.40	45.88	46.13
Short Circuit Current-I _{SC} (A)	5.39	5.47	5.51	5.58
Module Efficiency η _m (%)	14.49	14.88	15.27	15.67

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

ELECTRICAL DATA @ NOCT

	XTM5-72-185	XTM5-72-190	XTM5-72-195	XTM5-72-200
Maximum Power-P _{MAX} (W)	136	140	143	145
Maximum Power Voltage-V _m (V)	33.2	33.8	34.3	34.7
Maximum Power Current-I _m (A)	4.10	4.14	4.18	4.22
Open Circuit Voltage-V _{OC} (V)	41.3	41.7	42.2	42.6
Short Circuit Current-I _{SC} (A)	4.41	4.44	4.47	4.49

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

MECHANICAL DATA

Solar Cells	Monocrystalline 125X125mm (5 inches)
Cell Orientation	72 cells(6X12)
Module Dimension	1580X808X35mm
Weight	16kg
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 ² (0.006 inches ²) 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 _{MAX}	-0.41%/k
Temperature Coefficient of V _{OC}	-0.31%/k
Temperature Coefficient of I _{SC}	0.047%/k

OPERATING CONDITIONS

Maximum System Voltage	1000V _{DC}
Max Series Fuse Rating	10A
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

29pcs per ctn, 2pcs per box, (2ctns+2boxes) per plt, 14plts (868pcs) per 40'HQ.

