

CST156*156-M-60-(300~310W)

Standard 60 Cells Monocrystalline PV Module



Positive tolerance

Positive tolerance of up to 5W delivers higher output reliability



Excellent weak light performance

More power output in weak light condition, such as haze, cloudy and morning



Certified to withstand

wind load (2400 Pascal) and snow load (5400 Pascal)



12 years Product Warranties

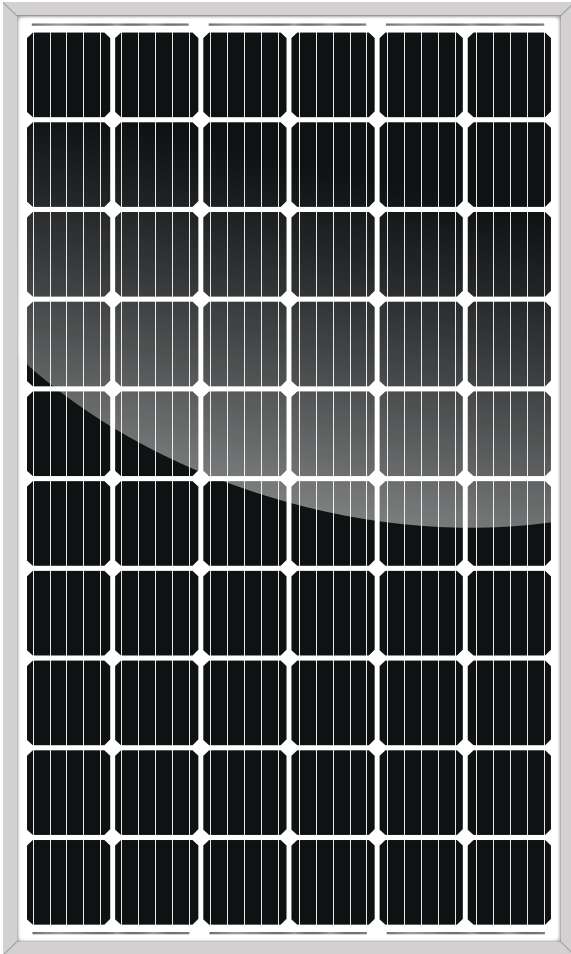
overlength quality warranties age limit



25 years Performance Guarantee

10-YEAR 91.2% Maximum Output

25-YEAR 80.7% Maximum Output



Manufactured in china

PRODUCT CERTIFICATES



IEC61215 : 2016
IEC61730 : 2016



MANAGEMENT SYSTEM



ISO 9001: Quality management system

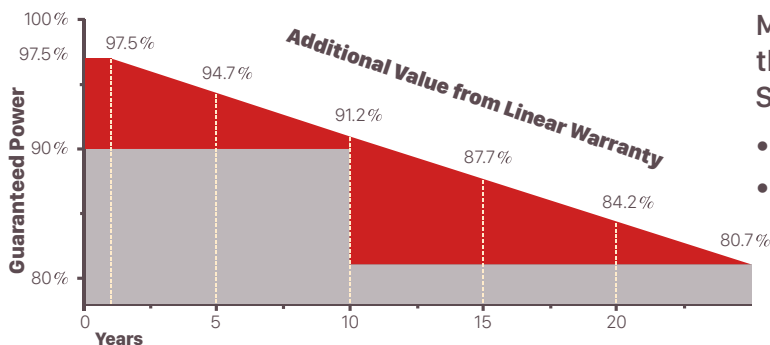


ISO 14001: Standard for environmental management system



OHSAS 18001: International standard for occupational health and safety assessment system

Industry leading product linear quality assurance



• 97.5% in the first year, thereafter, for years two (2) through twenty-five (25), 0.7% maximum decrease from MODULE's nominal power output per year, ending with the 80.7% in the 25th year after the defined WARRANTY STARTING DATE.

- 12 -year product warranty
- 25-year linear performance warranty

60Cells:CST156*156-M-60-(300~310W)

Electrical Characteristics	CST156*156-M-60-300W		CST156*156-M-60-305W		CST156*156-M-60-310W	
Maximum Power - Pmax(W)	(STC) 300 (0/+5W)	(NOCT) 221.86	(STC) 305 (0/+5W)	(NOCT) 225.45	(STC) 310 (0/+5W)	(NOCT) 229.37
Open Circuit Voltage - Voc(V)	39.85±5%	36.5	40.05±5%	36.70	40.25±5%	36.90
Short Circuit Current - Isc(A)	9.74±5%	7.91	9.85±5%	7.98	9.94±5%	8.05
Voltage at Pmax-Vmp(V)	32.28	29.9	32.51	30.10	32.74	30.30
Current at Pmax-Imp(A)	9.29	7.42	9.38	7.49	9.47	7.57
Module Efficiency-ηm(%)	18.40		18.70		19.10	

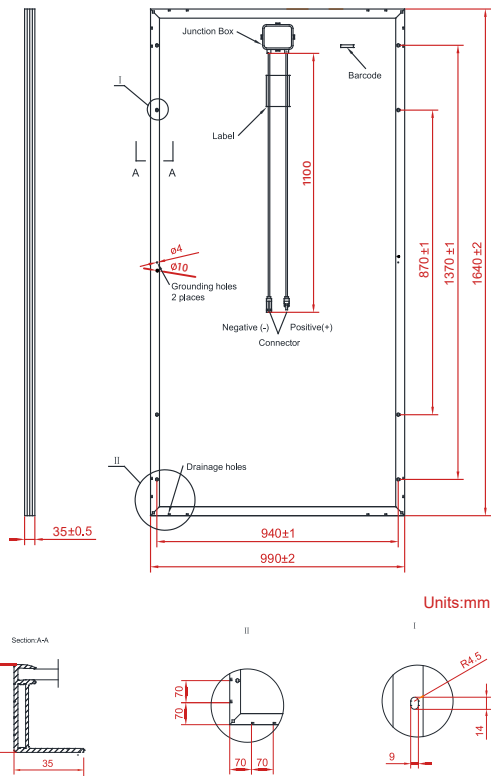
Mechanical Specifications	
External Dimensions	1640*990/992*40/35mm
Weight	18.0kg
Solar Cells	mono crystalline 156.75*156.75mm (60pcs)
Front Glass	3.2 mm tempered glass low iron
Frame	Anodized aluminum alloy
Junction Box	IP67
Output Cables	4.0mm ² , cable length:1100mm
Connector	Ningbo Guangzhixing Photovoltaic Technology PV-GZX1500
Mechanical Load/front	a:5400pa b:3600pa
Mechanical Load/back	a:2400pa b:1600pa

Safety factor	1.5
Maximum System Voltage(V)	1500
Maximum Series Fuse Rating(A)	15
STC: Irradiance 1000 W/m ² , module temperature 25 °C, AM=1.5; Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3% NOCT: Irradiance 800 W/m ² , ambient temperature 20 °C, AM=1.5, wind speed 1 m/s; Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%	

Packing Configuration		
Container	20'GP	40'GP
Pieces per pallet	30	30
Pallets per container	12	28
Pieces per container	360	840

Temperature Characteristics	
Pmax Temperature Coefficient	-0.40 %/°C
Voc Temperature Coefficient	-0.32 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40~85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C

Engineering Drawings



Temperature Dependence & Electrical Performance

