

72MH SERIES 6 INCH 144 CELLS

450_w

PRODUCT CERTIFICATES



KEY FEATURES

0~3%

Output positive tolerance/Guaranteed 0~3% positive tolerance ensures the power output reliability

HALF CELL

Half-cut cell technology/New circuit design, lower internal current, lower Rs loss



Anti PID technology/Excellent Anti-PID performance

NEW IEC

Tested and certified according IEC standard /IEC61215/IEC61730 standard quality



Highly reliable due to stringent quality control/Three times strict EL testing beyond certification requirements



Lower temperature coefficients/Outstanding power output capability at low irradiance

SYSTEM CERTIFICATES

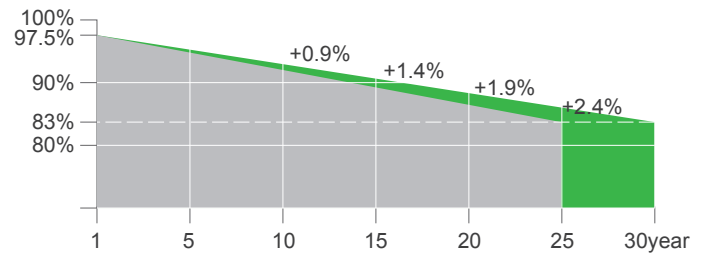
IEC 61215 / IEC 61730

ISO 9001 : Quality Management System

ISO 14001 : Environment Mangement System

OHSAS 18001 : Occupational Health and Safety Management System

WARRANTY



12 years

12-year Warranty for Materials and Processing

30 years

30-year Warranty for Extra Linear Power Output

ELECTRICAL PARAMETERS AT STC

Module Type	TDC450M10-72
Rated Maximum Power(Pmax) [W]	450
Open Circuit Voltage(Voc) [V]	50.0
Maximum Power Voltage(Vmp) [V]	41.40
Short Circuit Current(Isc) [A]	11.47
Maximum Power Current(Imp) [A]	10.88
Module Efficiency [%]	20.70

STC: Irradiance 1000 W/m2 module temperature 25°C AM=1.5

ELECTRICAL PARAMETERS AT NOCT

Module Type	TDC450M10-72
Rated Maximum Power(Pmax) [W]	334
Open Circuit Voltage(Voc) [V]	46.7
Maximum Power Voltage(Vmp) [V]	38.3
Short Circuit Current(Isc) [A]	9.25
Maximum Power Current(Imp) [A]	8.73

NOCT: Irradiance 800 W/m2 ambient temperature 20°C wind speed: 1m/s

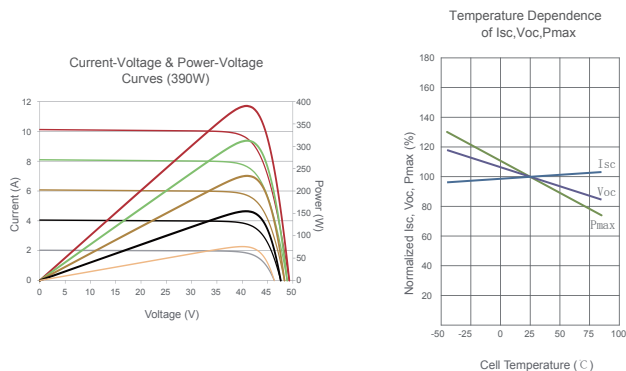
MECHANICAL SPECIFICATION

Cell Type	Monocrystalline
Cell Dimensions	166*83mm
Cell Arrangement	144(6*24)
Weight	22.8kg
Module Dimensions	2094*1038*35mm
Cable	4.0 mm2, (+)300mm, (-)145mm or Customized Length
Front Glass	3.2 mm AR coating tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP67/IP68
Connector	MC4 Compatible
Mechanical Load	Front side 5400Pa/ Rear side 2400Pa

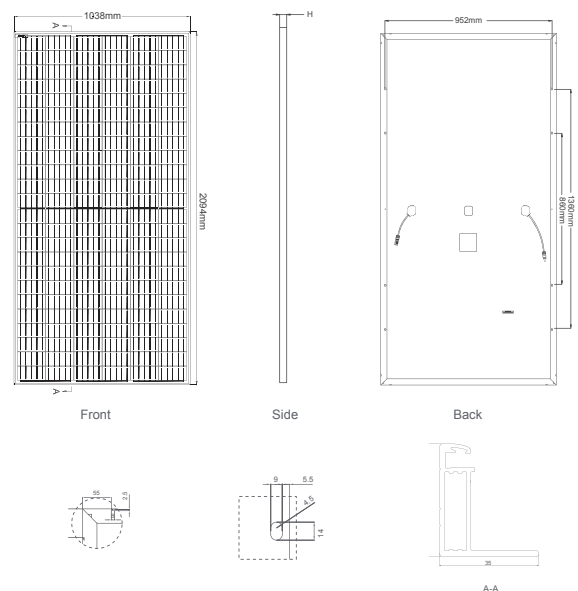
OPERATING CONDITIONS

Power Tolerance (W)	(0,+4.99)
Maximum System Voltage (V)	1000VDC / 1500VDC
Pmax Temperature Coefficient	-0.36 %/°C
Voc Temperature Coefficient	-0.28%/°C
Isc Temperature Coefficient	+0.05 %/°C
Nominal Operating Cell Temperature	45±2 °C
Operating Temperature	-40 °C -+85 °C
Maximum Series Fuse	20A

I-V Curve



Technical drawing(TDC-XXX-72MH)



PACKING CONFIGURATION

Quantity/Pallet	30pcs/pallet
Pallets/Container	10pallet/20GP; 22pallet/40HQ
Quantity/Container	300pcs/20GP; 660pcs/40HQ

* All Dimensions in mm.
* The above drawing is a graphical representation of the product.