



YFTxxxM6-144

Monocrystalline Module

430-450W



450W

Maximum Power Output

21.0%

Maximum Module Efficiency

0~+5W

Power Output Guarantee



9BB Cell

More uniform current collection capability, reducing the current heat loss of the internal cells.



Low Light Features

Higher performance under low light environment.



Higher Output Power

The output power of 144 half-cells Monocrystalline modules is up to 450W.



PID Protection

Ensure the attenuation probability caused by PID phenomenon is minimized.



Harsh Environmental Adaptability

Strict salt spray and ammonia corrosion test by TUV.



Load Capacity

Mechanical load tests including wind load 2400 Pa and snow load 5400 Pa done by TUV.



IEC 61215
IEC 61730



IEC 6125 IEC 61730 with
China Standard GB/T9535-1995

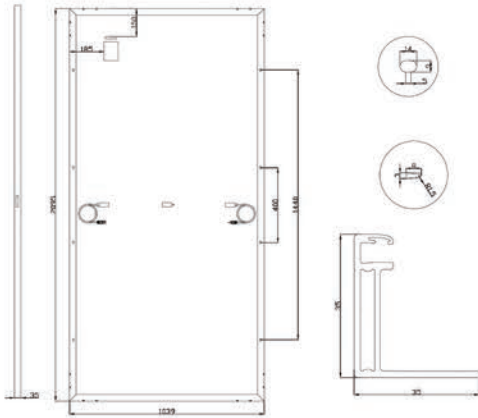


TUV Standard



ISO 9001:2015

MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	24kg
Dimensions	2095mm*1039mm*35mm
Cell Amount	72*2 pcs
Maximum System Voltage	1000/1500V
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm ² , Landscape:N 1300mm/P 1300mm Portrait:N 150mm/P 300mm
Connector	MC4 compatible
Application Level	Class A

ELECTRICAL PARAMETERS AT STC

Power	430W	435W	440W	445W	450W
Open Circuit Voltage	49.20V	49.40V	49.60V	49.80V	50.00V
Short Circuit Current	11.19A	11.26A	11.33A	11.40A	11.47A
Maximum Power Voltage	40.60V	40.80V	41.0V	41.20V	41.40V
Maximum Power Current	10.60A	10.67A	10.74A	10.81A	10.88A
Module Efficiency	19.5%	19.7%	19.9%	20.1%	20.4%

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

ELECTRICAL PARAMETERS AT NMOT

Power	322W	326W	330W	334W	338W
Open Circuit Voltage	46.10V	46.30V	46.50V	46.70V	46.90V
Short Circuit Current	9.08A	9.13A	9.19A	9.25A	9.31A
Maximum Power Voltage	37.70V	37.90V	38.10V	38.20V	38.30V
Maximum Power Current	8.56A	8.61A	8.66A	8.75A	8.84A
Module Efficiency	14.6%	14.7%	14.9%	15.1%	15.3%

* Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

TEMPERATURE CHARACTERISTICS

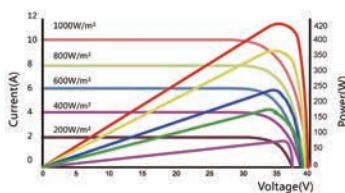
NMOT	41±3°C	Temp Coefficient of ISC	+0.05%/°C
Temp Coefficient of VOC	-0.28%/°C	Temp Coefficient of Pmax	-0.36%/°C

PACKING CONFIGURATION

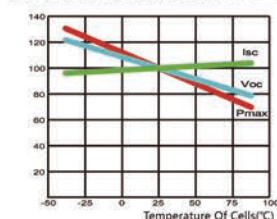
Modules/Pallet	30 Pieces	Modules/40'Container	704 Pieces
Packing Description	22 Pallets, Total=(30+30+4)x11=704 Pieces		

CHARACTERISTICS

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MAXIMUM RATING

Output Tolerance	0~+5W
Operating Temperature	-40°C~+85°C
Wind Load/Snow Load	2400pa/5400pa
Fuse Current	20A

15 YEARS

Quality Warranty

25 YEARS

Power Warranty