

Mono-crystalline Solar Module (72Cells) HJT-182-72MHV

530~555W
POWER OUTPUT RANGE

20.5%~21.5%
MODULE EFFICIENCY

PRODUCT CHARACTERISTICS

- ◆ Light Weight, easy to install, high cost performance, high efficiency, Low LCOE
- ◆ Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal)
- ◆ Guaranteed output: 0~+5W
- ◆ Excellent performance in weak light condition, such as cloudy, morning and sunset
- ◆ Independently certification by international certification authorities, include IEC61215, IEC61730, CE



LINEAR WARRANTY AND CERTIFICATION

1st
YEAR

1st year Power output not less than 98%

12
YEAR

Warranty for product materials and processes within 12 years



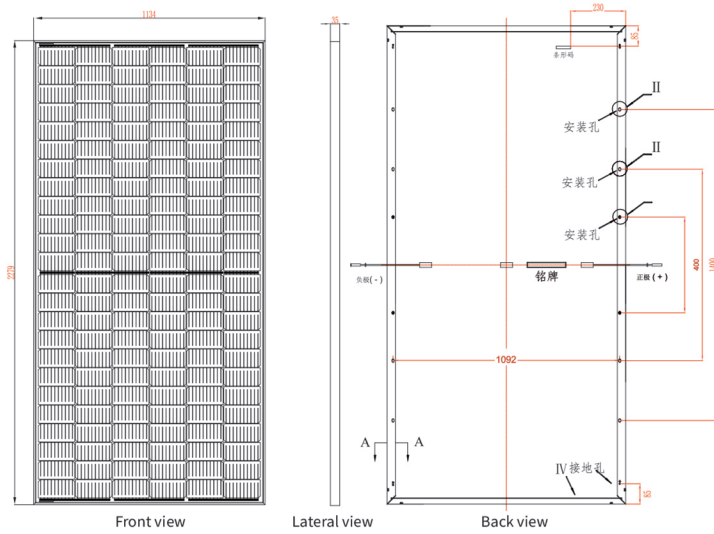
12
YEAR

Power output not less than 91.95% within 12 years

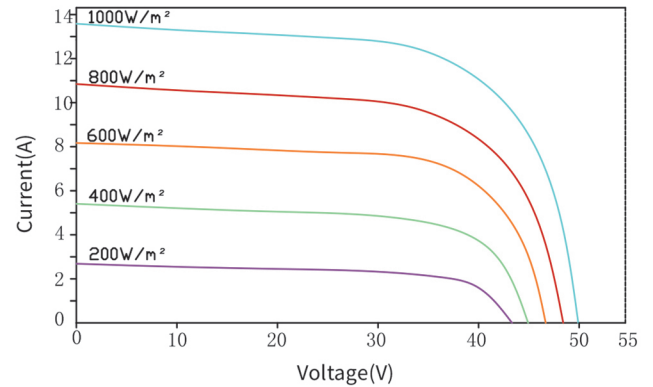
25
YEAR

Power output not less than 84.8% within 25 years

Assembly Drawing



I-V Curve (540W)



Limit Parameters

Operating temperature	-40°C to +85°C
Maximum fuse current rating	25A

Mechanical Characteristics

Cell type	182×91mm monocrystalline silicon solar cells, a group of 144 cells (6×24)
Glass	3.2 mm thick low-iron tempered glass with high light transmittance
Junction Box	IP Grade: IP68

Temperature Rating

Nominal Module Operating Temperature (NMOT)	42°C±2°C
Maximum Power (Pmax) Temperature Coefficient (δ (%/°C))	-0.34
Open-circuit voltage (Voc) Temperature coefficient (β (%/°C))	-0.26
Short circuit current (Isc) Temperature coefficient (α (%/°C))	0.05

Physical Parameter

Dimension	2279*1134*35mm
Mounting hole size	400*1092,990*1089,1400*1089mm
Cable Length	250mm; Customizable
Weight	28.3Kg

Mode of Packing

40 Feet Container	Pieces per case	31 pcs/case
	Quantity per pallet	2 case/pallet
	Pieces per container	620pcs

Parameters of Module

Electrical parameters (Standard test condition)	HJT-72-530MHV	HJT-72-535MHV	HJT-72-540MHV	HJT-72-545MHV	HJT-72-550MHV	HJT-72-555MHV
Maximum power-Pmax(Wp)	530	535	540	545	550	555
Maximum operating voltage -Vmp(V)	41.67	41.97	42.13	42.42	42.71	42.99
Maximum operating current -Imp(A)	12.72	12.75	12.82	12.85	12.88	12.91
Open-circuit voltage -Voc(V)	49.64	49.77	49.91	50.02	50.14	50.26
Short-circuit current -Isc(A)	13.48	13.52	13.58	13.62	13.68	13.72
Maximum system voltage -Vdc(V)	1000/1500	1000/1500	1000/1500	1000/1500	1000/1500	1000/1500
Module efficiency(%)	20.5%	20.7%	20.9%	21.1%	21.3%	21.5%
Power tolerance(W)	0/+5W	0/+5W	0/+5W	0/+5W	0/+5W	0/+5W

Measured values under STC (temperature 25°C, air quality AM1.5, irradiance 1000W/m²)



Disclaimer: We reserve all the right for the final interpretation.
Specifications in this Data Sheet are subject to change without prior notice.

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