

JS6-455M-72H

JINSHI SOLAR MODEL

144 CELLS

HALF CELL MONOCRYSTALLINE MODULE

435-455W

POWER OUTPUT RANGE

20.6%

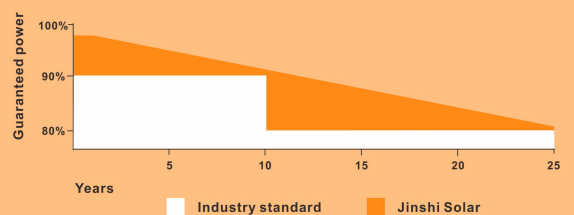
MAXIMUM EFFICIENCY

0~+3%

POWER OUTPUT GUARANTEE

LINEAR PERFORMANCE WARRANTY

15 Year product warranty • 25 Year linear power warranty



- Solar cell: 6&9 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, which is perfect for rooftop.
- Tempered glass: Anti-reflecting coating and high transmission rate glass increasing the power output and mechanical strength of solar module.
- EVA and TPT: Using high quality EVA and TPT to prevent destroying and water.
- All frames: Without screws corner connection. 8 holes on the frame can be installed easily.
- Junction box: Multifunctional and IP67 water-proof junction box.
- Good performance of preventing from atrocious weather such as wind and hails.
- Resisting moisture and etching effectively, not effected by geology.
- Certificates issued by international authorities: ISO Quality Management system, CE, TUV (IEC61215 and IEC61730)
- Limited power degradation of Eagle module caused by PID effect is guaranteed under 60°C/85% RH condition for mass production.
- High salt and ammonia resistance certified by TUV NORD



Mechanical Characteristics:

Cell	PERC /Mono/166*83
No. of cells	144(6X24)
Module Size (mm)	2094X1038X35
Module Weight (KG)	27.5

Packing Details:

Container	20'GP	40'HQ
Pieces pallet	62	66
Pallets per container	5	11
Pieces par container	310	724

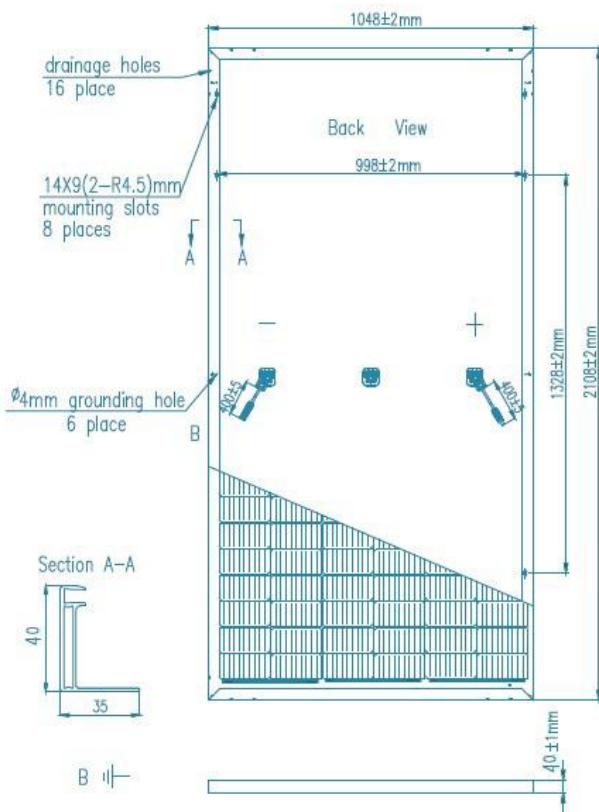
This publication summarizes product warranty and specification, which is subject to change without notice.



Construction Materials:

Front Glass	3.2mm, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy Type 6063-T5
Junction Box	IP 68 Rated (Black)
Output Cables	TUV 1×4mm ² , length:400mm
Connector	MC4 (IP68)
Encapsulation Material	EVA(0.45 ± 0.03mm thickness)
Back Foil	White TPT(0.32 ± 0.03mm thickness)
Fixing Adhesive	Silicone Sealant(White)

Module Diagram:



Temperature Coefficient:

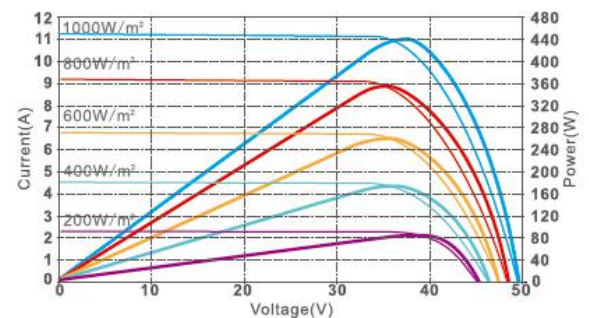
Power Tolerance	0~+3%
Temperature Coefficient of Pmax	(-0.350±0.05)%/°C
Temperature Coefficient of Voc	(-0.284±0.02)%/°C
Temperature Coefficient of Isc	(0.050±0.01) %/°C
NOTC(°C)	(45±2) °C

Operating Conditions:

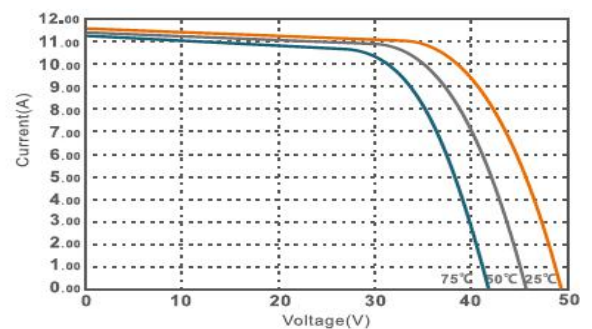
Max. system voltage	1500DVC (IEC)
Max. system fuse rating (A)	20
Operating temperature (°C)	-40~85
Max. static load, front (e.g., snow) pa	5400
Max. static load, back (e.g., wind) pa	2400

I-V Curve:

I-V characteristics at different irradiances



I-V characteristics at different temperature



Electrical Parameters at Standard Test Conditions (STC)

Module type	JS6-435M-72H	JS6-440M-72H	JS6-445M-72H	JS6-450M-72H	JS6-455M-72H
Rated Maximum Power (Pmax/W)	435	440	445	450	455
Maximum Power Voltage (Vmp/V)	40.8	41.0	41.2	41.4	41.6
Open-circuit Voltage (Voc/V)	49.1	49.2	49.4	49.6	49.8
Maximum Power Current (Imp/A)	10.66	10.73	10.80	10.87	10.93
Short-circuit Current (Isc/A)	11.36	11.45	11.52	11.58	11.65
Module Efficiency (%)	20.00	20.20	20.50	20.70	20.90

STC: Irradiance 1000W/M2 Module Temperature: 25 °C AM=1.5

This publication summarizes product warranty and specification, which is subject to change without notice.