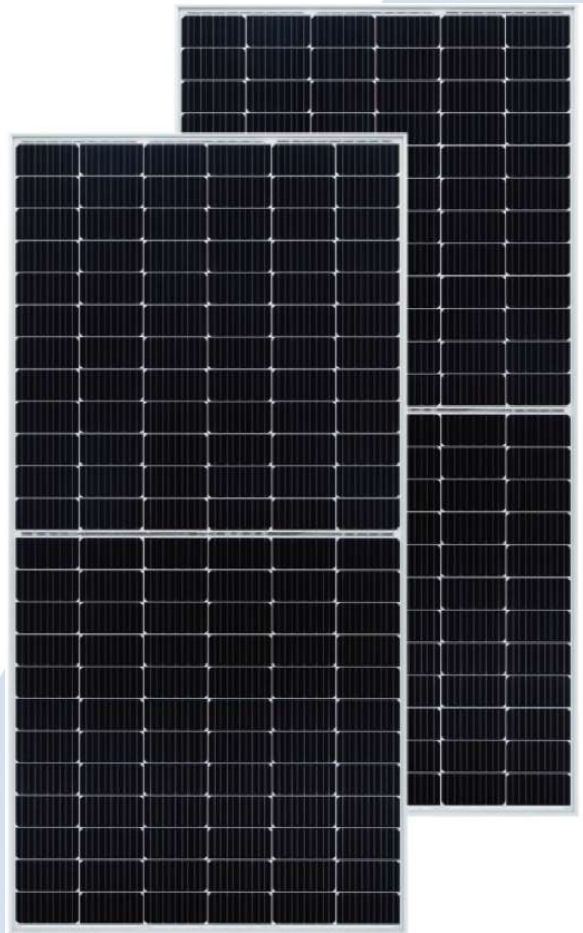


# JS18-MH72

N type Topcon SMBB Half Cell

## 555-575W



### Products Features



#### Half-cut cell technology

Lower internal current, lower power loss



#### Excellent weak light performance

More power output in weak light condition



#### Lower the risk of hot spot

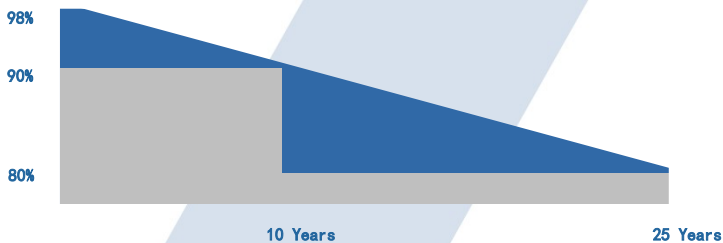
Special design with lower hot spot temperature



#### Lower LCOE

Higher Power Generation, Lower LCOE.

### Warranty



**15 YEARS** Product quality and process guarantee

**25 YEARS** Linear power guarantee

**2%** First year power degradation

**0.55%** Annual degradation over 25 years

### System

- IEC 61215, IEC61730
- ISO9001: Quality Management System
- ISO14001: Environment Management System
- ISO45001: Occupational Health and Safety Management System



[www.jsun-solar.com](http://www.jsun-solar.com)

Email: [sales@jsun-solar.com](mailto:sales@jsun-solar.com)

## Electrical Characteristics

Module Type	JS18-MH72-555	JS18-MH72-560	JS18-MH72-565	JS18-MH72-570	JS18-MH72-575
Maximum Power (Pmax/W)	555	560	565	570	575
Open Circuit Voltage (Voc/V)	49.68	49.77	49.86	49.94	50.02
Short Circuit Current (Isc/A)	14.12	14.19	14.26	14.32	14.4
Voltage at Maximum Power (Vmpp/V)	42.1	42.25	42.4	42.55	42.7
Current at Maximum Power (Impp/A)	13.18	13.25	13.33	13.4	13.47
Module Efficiency (η%)	21.5	21.7	21.9	22.1	22.3

## Temperature Ratings

Temperature Coefficient of Pmax -0.35%/°C

Temperature Coefficient of Voc -0.27%/°C

Temperature Coefficient of Isc +0.05%/°C

Working Temperature -40°C-80°C

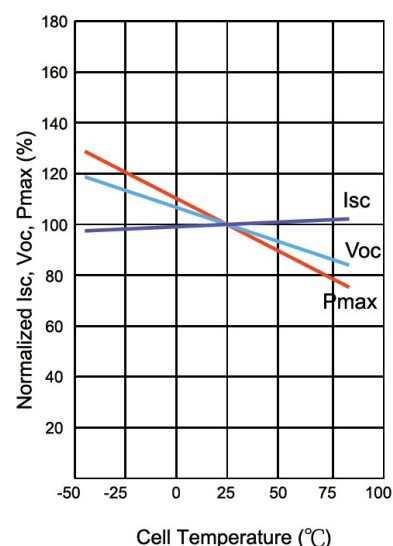
Normal Module Operating Temperature (NMOT) 45±2°C

## Mechanical Characteristics

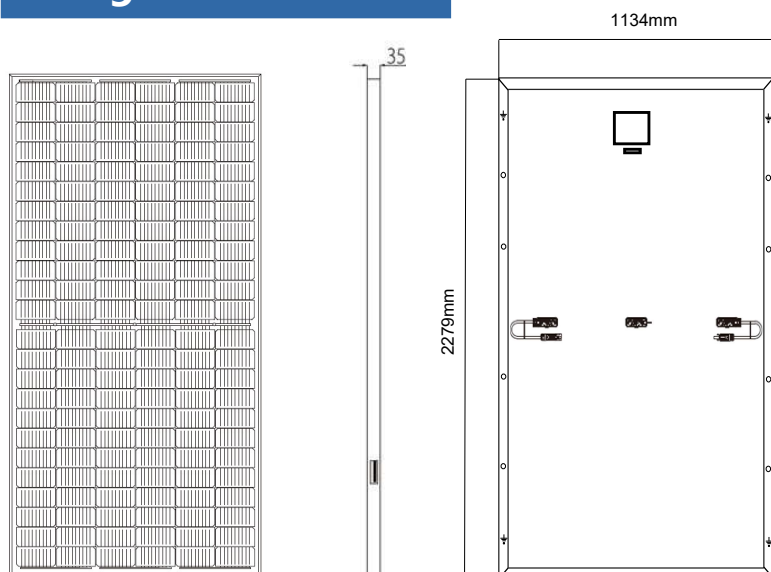
Cell type	Monocrystalline silicon 182mm
Number of cells	144(6*24)
Dimensions	2279*1134*35mm
Weight	27.5kg
Cables	4mm <sup>2</sup> , 300mm OR customized length
Junction Box	IP68 Rated
Maximum System Voltage	1500VDC
Glass	3.2mm Tempered glass
Frame	Anodized aluminum ally
Connectors	MC4 compatibility
Packing	31pcs/Pallet

## I-V Curve

Temperature Dependence of Isc, Voc, Pmax



## Design



Current-Voltage & Power-Voltage Curves

