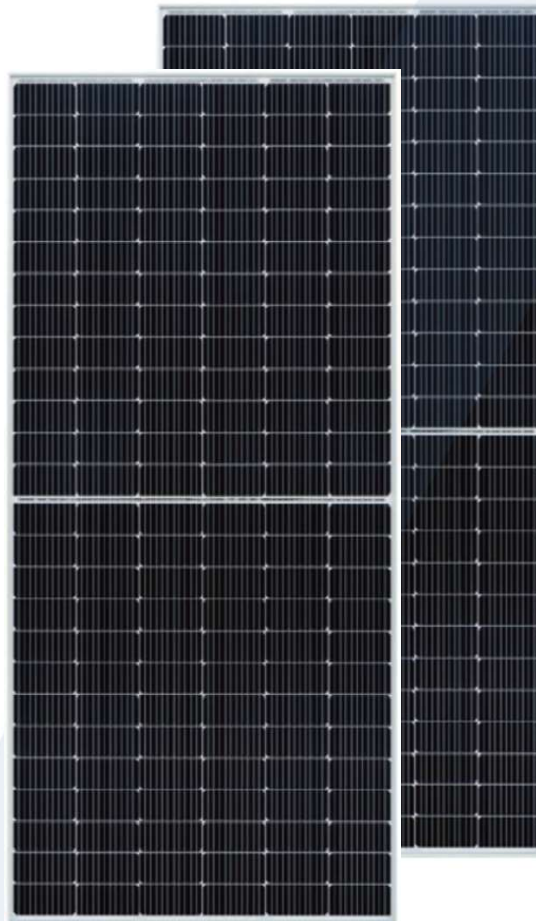


# 18 Series

## MBB Half Cell Mono

### 580-600W



#### Products Features



#### Half-cut & MBB technology

Lower internal current, lower power loss



#### Excellent weak light performance

More power output in weak light condition



#### Lower the risk of hot spot

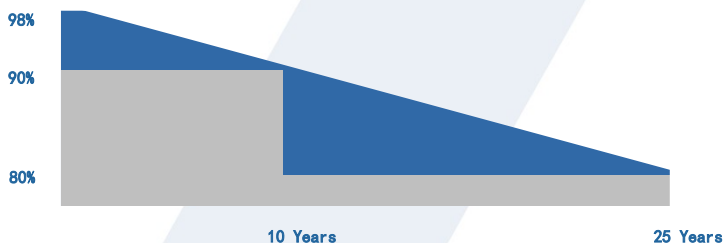
Special design with lower hot spot temperature



#### 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

Maximum Power (Pmax/W)	580	585	590	595	600
Open Circuit Voltage (Voc/V)	53.54	53.65	53.76	53.84	53.94
Short Circuit Current (Isc/A)	13.77	13.85	13.97	14.04	14.12
Voltage at Maximum Power (Vmpp/V)	44.31	44.42	44.52	44.63	44.73
Current at Maximum Power (Impp/A)	13.09	13.17	13.25	13.33	13.41
Module Efficiency ( $\eta\%$ )	20.7	20.9	21.1	21.3	21.5

## 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-85°C

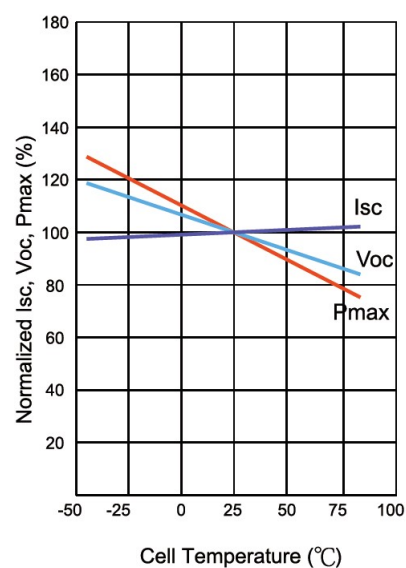
Normal Module Operating Temperature (NMOT) 45±2°C

## Mechanical Characteristics

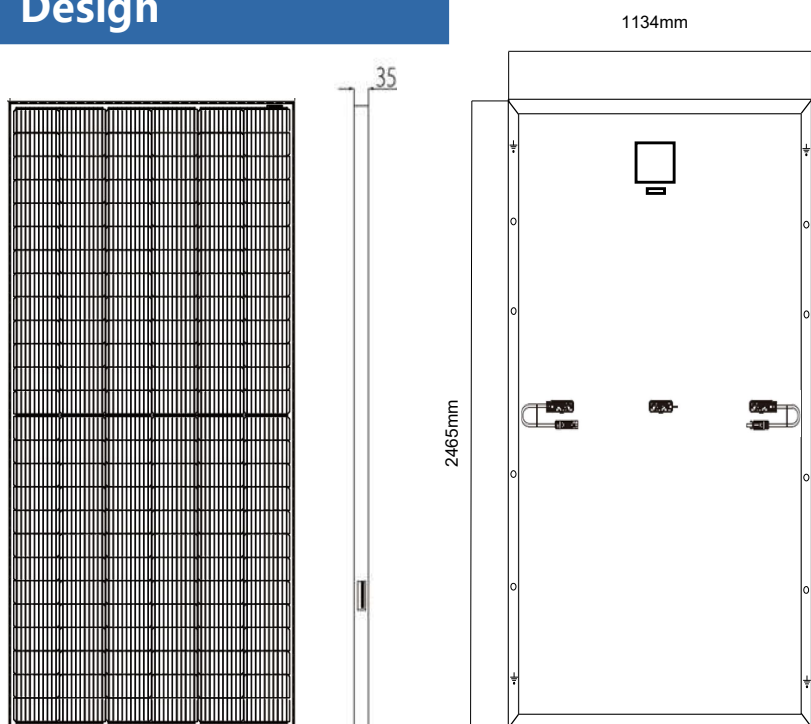
Cell type	Monocrystalline silicon 182mm
Number of cells	156(6*26)
Dimensions	2465*1134*35mm
Weight	32.2kg
Cables	4mm <sup>2</sup> , 300mm OR customized length
Junction Box	IP68 Rated
Maximum System Voltage	1500VDC
Glass	3.2mm Tempered glass
Frame	Anodized aluminum ally
Connectors	MC4 compatibility
Packing	31pcs/Pallet

## I-V Curve

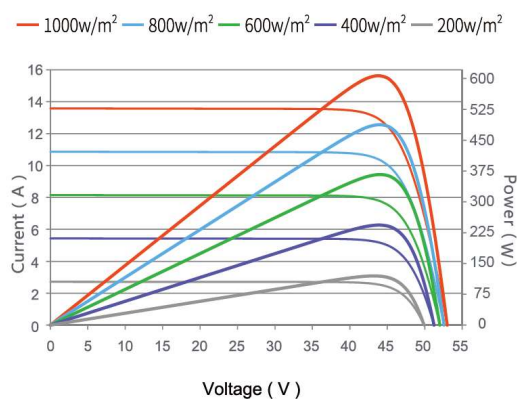
### Temperature Dependence of Isc, Voc, Pmax



## Design



### Current-Voltage & Power-Voltage Curves



Jiangsu Jsun New Energy Co.,Ltd  
Address: Yancheng Jiangsu China