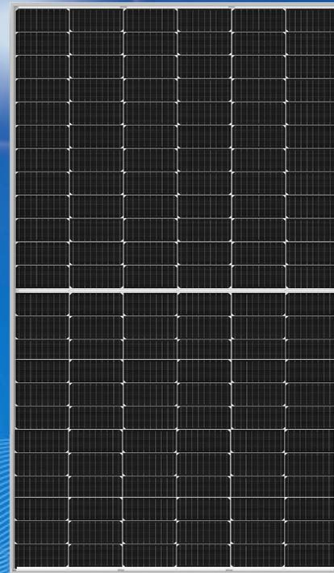


# JX144HC-182M SERIES

## 530W-550W

MONO 9/10/11BB HALF-CUT MODULE

- \*Solid PID Resistance
- \*Slower power degradation
- \*Mono Perc with half-cut technology
- \*Reduced resistive loss with power operating current
- \*Reduced hot spot risk with optimized design and lower operating current



**JXSOAR**

1500v

1500V high system voltage design

**High efficiency brings high conversion efficiency (up to 21.28%)**

### Half-Cut technic leads to increased power output

When the cells are cut into halves, the current are also halved, which enables less internal loss. Series-parallel wiring improves power performance. The working temperature of module and junction box are lower than that of conventional types, which effectively reduces the hot spot risk and reduces overall module damage.

### Series-parallel wiring mode results in reduced shading loss

Series-parallel wiring will not only reduce power lows from shade but also improves the effective use of supports and space

### Excellent temperature performance

Series-parallel wiring will not only reduce power lows from shade but also improves the effective use of supports and space

### Reduced encapsulation loss due to reduced current

HC module is of lower current and lower CTM loss at around 0.2%, while the CTM loss of conventional module is 1%.

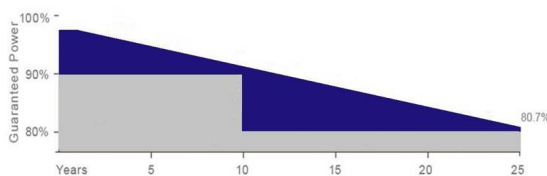
### LINEAR PERFORMANCE WARRANTY

**12**  
YEARS

Product warranty on materials and workmanship

**25**  
YEARS

Linear Power output warranty



### Management System

Conform to IEC 61215, IEC 61730 and CE  
ISO 9001: 2015: ISO Quality Management System  
ISO 14001: 2015: ISO Environmental management system



FULL BLACK/BLACK FRAME  
Optional



### ELECTRICAL PARAMETERS @ STC

Max. Power Output Pmax (W)	530	535	540	545	550
Power Tolerance			0~+5W		
Max. Power Voltage Vmp (V)	41.74	41.84	41.96	42.06	42.18
Max. Power Current Imp (A)	12.70	12.79	12.87	12.96	13.04
Open Circuit Voltage Voc (V)	49.40	49.50	49.60	49.70	49.80
Short Circuit Current Isc (A)	13.55	13.64	13.74	13.84	13.93
Module Efficiency (%)	20.51	20.70	20.89	21.09	21.28

STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5

### ELECTRICAL PARAMETERS @ NOCT

Max. Power Output Pmax (W)	391	395	398	402	406
Max. Power Voltage Vmp (V)	38.01	38.11	38.18	38.26	38.37
Max. Power Current Imp (A)	10.28	10.35	10.43	10.51	10.58
Open Circuit Voltage Voc (V)	45.62	45.71	45.8	45.89	46.02
Short Circuit Current Isc (A)	10.94	11.02	11.10	11.18	11.25

NOCT: Irradiance 800 W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s

### TEMPERATURE COEFFICIENTS

Temperature Coefficients of Pmp	-0.36%/°C
Temperature Coefficients of Voc	-0.29%/°C
Temperature Coefficients of Isc	+0.048%/°C

### MECHANICAL PARAMETERS

Cell Type	Mono 182*91mm
Number of Cells	144pcs(6*24)
Dimensions (L*W*H)	2279*1134*35mm
Weight	28.5kg
Frame	Anodised Aluminum
Junction Box	IP67, Split, 3 bypass diodes
Cable / Length	4.0mm <sup>2</sup> , 300mm

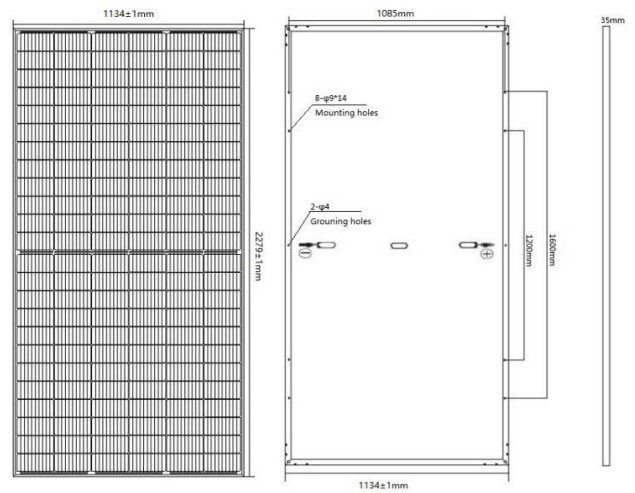
### OPERATING CONDITION

Maximum System Voltage(V)	1000(DC)	1500(DC)
Operating Temperature(°C)	-40~+85	
Max. Wind Load / Snow Load(pa)	2400/5400	
Max. Over Current(A)	20	
Application Class	Class A	
Fire Rating	Class C	
NOCT(°C)	45±2	

### PACKING INFORMATION

Container 20'	310pcs
Container 40HQ	665pcs
Packing	30pcs/carton pallet

### Module Diagram (Unit: mm)



### I-V Curves

