

# JFS2-18X-MDB 525 ~ 545W

(Positive power tolerance of 0~+5W)

## M10 SOLAR MODULE

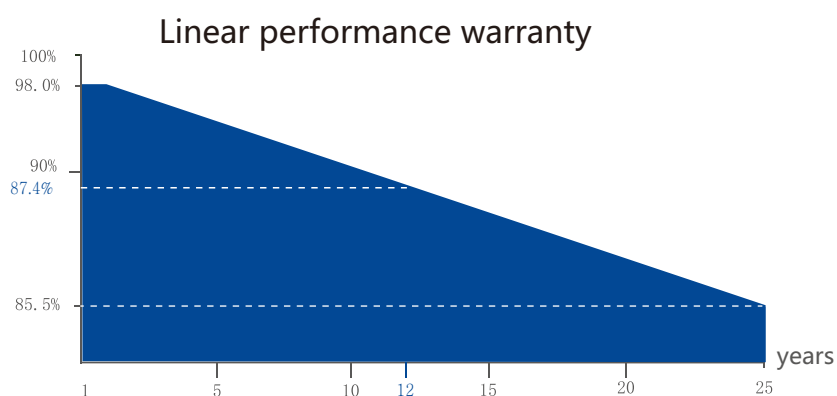
### CERTIFICATION

IEC61215(2016),IEC61730(2016)  
ISO9001:2015 Quality Management System  
ISO14001:2015 Environmental Management System  
ISO45001:2018 Occupational Health and Safety Management System









JF SOLAR is the professional solar modules manufacturer which is focus on production and development with more than 12 years experience. JF SOLAR annual capacity of high efficiency solar modules is 2GW with the most advanced automatic production lines.

### -0.5% Annual degradation ,over 25 years guarantee



### Key Features

-  **MBB Half Cut Cell With PERC Technology**
-  **Higher Power Output**
-  **Better Low-light Performance**
-  **Less Shading Effect**
-  **PID Resistance**
-  **Enhanced Mechanical Load**

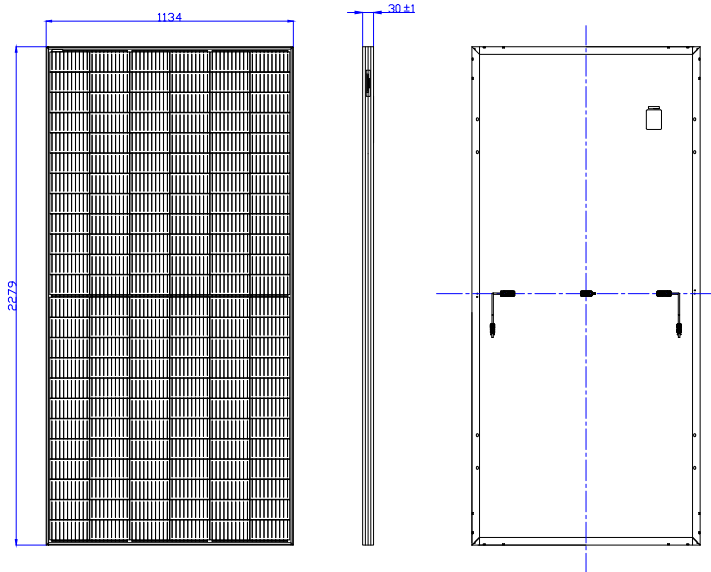
**12** Product warranty

**25** Linear warranty

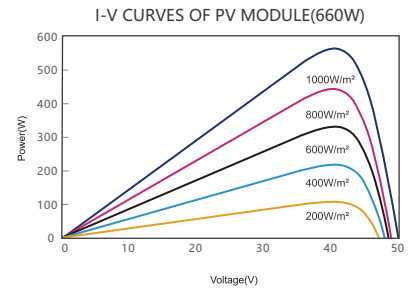
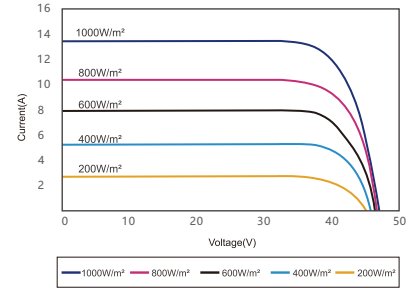
# JFS2-18X-MDB 525 ~ 545W



## ENGINEERING DRAWINGS



## IV CURVES



P-V CURVES OF PV MODULE(660W)

Module Type	JFS2-144-525MDB		JFS2-144-530MDB		JFS2-144-535MDB		JFS2-144-540MDB		JFS2-144-545MDB	
Module Efficiency (%)	20.3		20.5		20.7		20.9		21.1	
Tolerance (W)	0~+5w		0~+5w		0~+5w		0~+5w		0~+5w	
Test Environment	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power Pmax(W)	525	392.1	530	395.8	535	399.5	540	403.3	545	407.0
Open Circuit Voltage Voc(V)	49.05	45.98	49.20	46.12	49.35	46.26	49.50	46.41	49.65	46.55
Short Circuit Current Isc(A)	13.65	11.04	13.71	11.09	13.78	11.15	13.85	11.20	13.92	11.25
Maximum Power Voltage Vm(V)	41.20	38.36	41.35	38.50	41.50	38.64	41.65	38.78	41.80	38.92
Maximum Power Current Im(A)	12.75	10.23	12.82	10.28	12.90	10.34	12.97	10.40	13.04	10.46
Cell Type (mm)	10BB-6X24Mono-Crystalline Silicon									
Number of Cells (Pcs)	144(6x24)									
Maximum System Voltage	DC1500									
Temp.Coeff.of Voc (%/°C)	-0.285									
Temp.Coeff.of Isc (%/°C)	0.055									
Temp.Coeff.of Pm (%/°C)	-0.365									
Operating Temperature (°C)	-40 to 85									
Nominal Operating Cell Temp(°C)	45±2									
Max.Series Fuse (A)	20									
Pressure Bearing (Pa)	5400									
Wind Bearing (Pa)	2400									

STC: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, AM1.5  
 NOCT: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Wind speed 1m/s

## MATERIAL DETAILS

Frame	Anodized aluminum(black and white is optional)	Glass	2.0mm low-iron tempered suede glass
Cell	10BB-6x24mono solar cell	Junction Box	IP≥68, TÜV&UL
Diode quantity	3	Cable&Connector	4mm <sup>2</sup> , EVO2 or EVO2 compatible
Cable length	300mm or as customer's requirements		

## PACKING DETAILS

Dimension	2279x1134x30mm	Weight	31.4kg
Loading Capacity	720pcs/40HC	Packing	36pcs/pallet