



JF SOLAR



M10 Mono Half Cell Module

JFS2-18X-MDB
525~545 W
Dual Glass

JFS2-144-525MDB
JFS2-144-530MDB
JFS2-144-535MDB
JFS2-144-540MDB
JFS2-144-545MDB

IEC61215/IEC61730

ISO9001:Quality Management System ISO14001:Environmental Management System

ISO45001:Occupational Health and Safety Management System



Dual Glass Technology



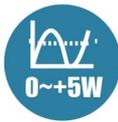
Better Low-light Performance



MBB Half Cut Cell With PERC Technology



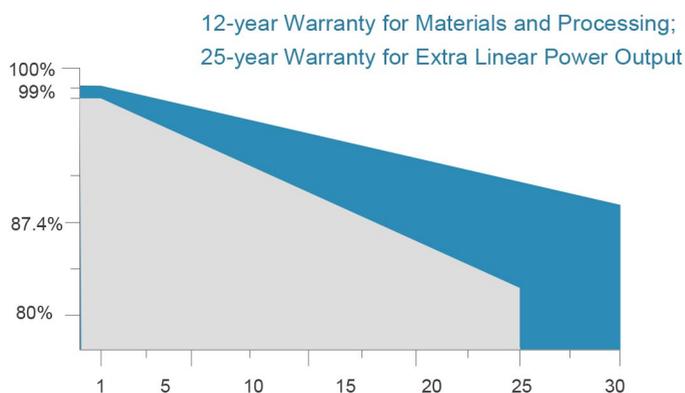
Less Shading Effect



0+5W Positive Tolerance



PID Resistance



- Additional value from JF Solar's linear warranty
- Standard performance warranty

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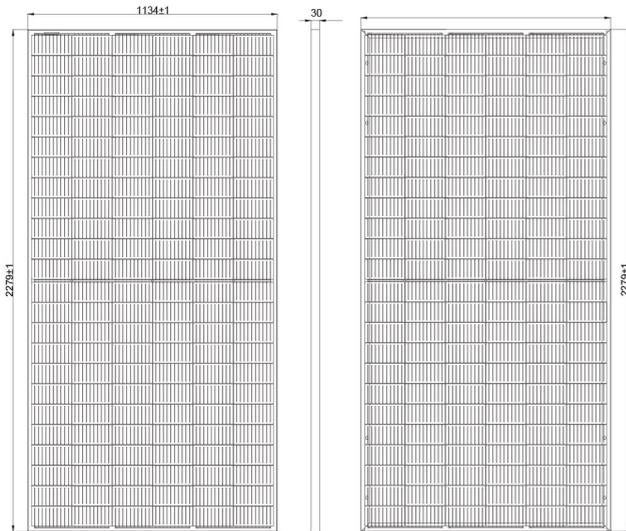
M10 Mono Half Cell (6×24) Mono Solar Module

Module Type		JFS2-144-525MDB		JFS2-144-530MDB		JFS2-144-535MDB		JFS2-144-540MDB		JFS2-144-545MDB	
		STC	NOCT								
Test Environment		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
Module Efficiency	(%)	20.3		20.5		20.7		20.9		21.1	
Tolerance	(W)	0~+5									
Cell Type	(mm)	182×182									
Number of Cells	(Pcs)	144 (6×24)									
Maximum System Voltage	(V)	1500V(IEC)									
Temp. Coeff. of Voc	(%/°C)	-0.270									
Temp. Coeff. of Isc	(%/°C)	0.048									
Temp. Coeff. of Pm	(%/°C)	-0.350									
Operating Temperature	°C	-40 to 85									
Nominal Operating Cell Temperature (NOCT)	°C	45±2									
Max. Series Fuse	(A)	25									
Pressure Bearing	(Pa)	5400									
Wind Bearing	(Pa)	2400									

STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5

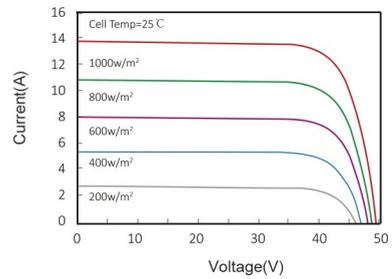
NOCT: Irradiance 800W/m², Ambient temperature 20°C, Wind speed 1m/s

ENGINEERING DRAWINGS

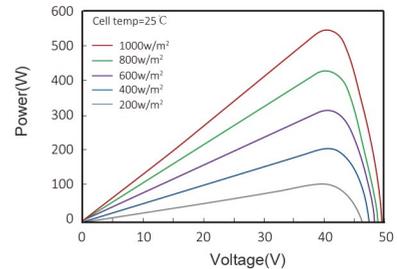


IV CURVES

Current-Voltage Curve (JFS2-18X-MDB)



Power-Voltage Curve (JFS2-18X-MDB)



Manufactured in China

MATERIAL DETAILS

Frame	Anodized aluminum alloy frame
Glass	Dual glass 2.0mm coated tempered glass
Cell	6×24 mono solar cell
Junction Box	IP ₂ 68, TÜV & UL
Diode Quantity	3
Cable&Connector	4mm ² EVO2 or EVO2 compatible
Cable Length	300mm or as customer's requirements

PACKING DETAILS

Dimension	(mm)	2279×1134×30
Weight	(kg)	31.4
Loading Capacity		175pcs/20GP 700pcs/40HC
Packing	Pcs/pallet	35