



JF SOLAR



M10 Mono Half Cell Module

JFS2-144-18X
525~545W

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

IEC61215/IEC61730

ISO9001:Quality Management System ISO14001:Environmental Management System

ISO45001:Occupational Health and Safety Management System



Higher Power Output



Better Low-light
Performance



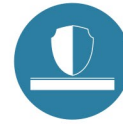
MBB Half Cut Cell With
PERC Technology



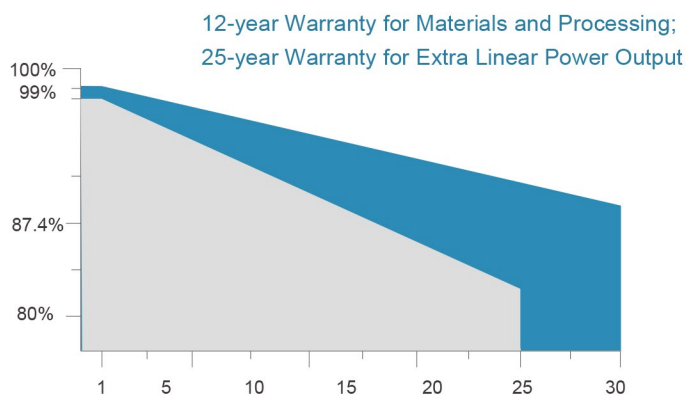
Less Shading Effect



0~+5W Positive
Tolerance



PID Resistance



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

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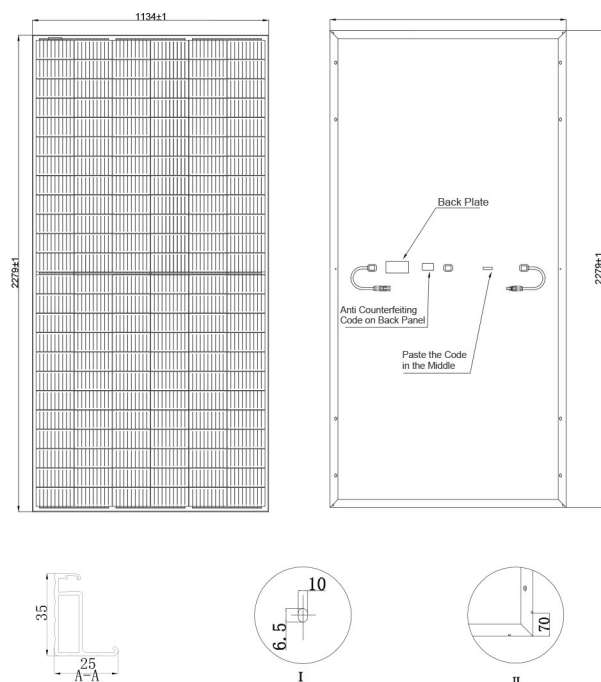
M10 Mono Half Cell (6×24) Mono Solar Module

Module Type		JFS2-144-525M		JFS2-144-530M		JFS2-144-535M		JFS2-144-540M		JFS2-144-545M	
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
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									
OperatingTemperature	°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



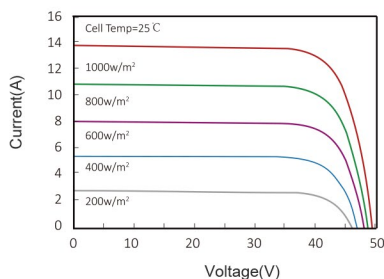
Manufactured in China

MATERIAL DETAILS

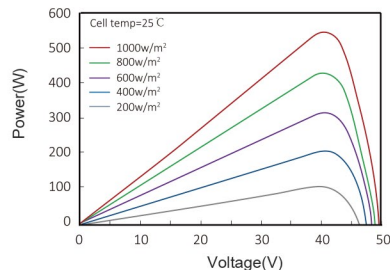
Frame	Anodized aluminum alloy frame
Glass	single glass 3.2mm coated tempered glass
Cell	6×24 mono solar cell
Junction Box	IP ₆₈ , TÜV & UL
Diode Quantity	3
Cable&Connector	4mm ² EVO2 or EVO2 compatible
Cable Length	300mm or as customer's requirements

IV CURVES

Current-Voltage Curve (JFS2-144-18X)



Power-Voltage Curve (JFS2-144-18X)



PACKING DETAILS

Dimension	(mm)	2279±2×1134±2×35±1
Weight	(kg)	28.6
Loading Capacity		155pcs/20GP 620pcs/40HC
Packing	Pcs/pallet	31