



JF SOLAR



M6 Mono Half Cell Module

JFS1-144-166
435~455W

JFS1-144-435M
JFS1-144-440M
JFS1-144-445M
JFS1-144-450M
JFS1-144-455M

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



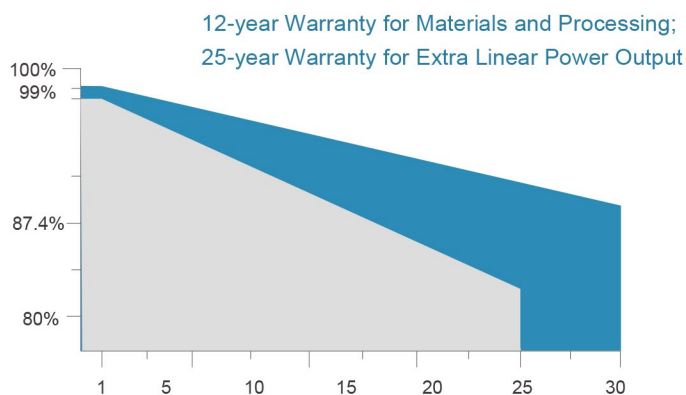
Less Shading Effect



0~+5W Positive
Tolerance



PID Resistance



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

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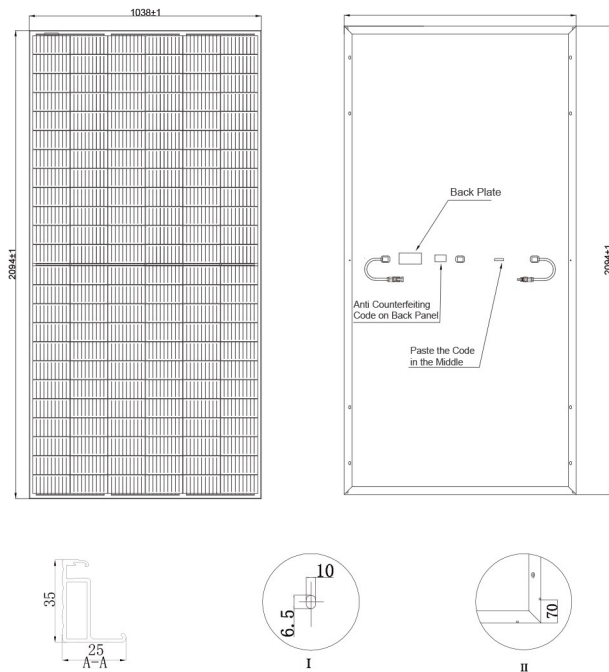
M6 Mono Half Cell (6×24) Mono Solar Module

Module Type		JFS1-144-435M		JFS1-144-440M		JFS1-144-445M		JFS1-144-450M		JFS1-144-455M	
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	Pmax(W)	435	325	440	328	445	332	450	336	455	339
Open Circuit Voltage	Voc(V)	48.5	45.6	48.7	45.8	48.9	46	49.1	46.2	49.3	46.4
Short Circuit Current	Isc(A)	11.42	9.21	11.48	9.26	11.54	9.31	11.6	9.36	11.66	9.41
Maximum Power Voltage	Vm(V)	40.5	37.8	40.7	37.9	40.9	38.1	41.1	38.3	41.3	38.5
Maximum Power Current	Im(A)	10.75	8.59	10.82	8.65	10.89	8.71	10.96	8.76	11.02	8.82
Module Efficiency	(%)	20.01		20.24		20.47		20.70		20.93	
Tolerance	(W)	0~+5									
Cell Type	(mm)	166×166									
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)	20									
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



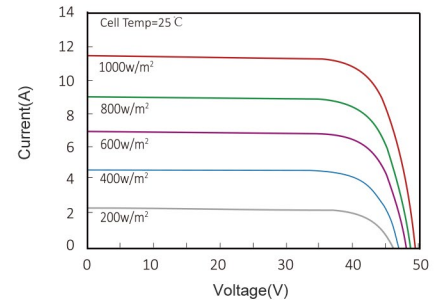
Manufactured in China

MATERIAL DETAILS

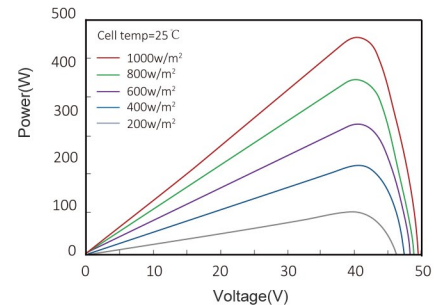
Frame	Anodized aluminum alloy frame
Glass	single glass 3.2mm coated tempered glass
Cell	6×24 mono solar cell
Junction Box	IP≥ 68, TÜV & UL
Diode Quantity	3
Cable&Connector	4mm ² EVO2 or EVO2 compatible
Cable Length	300mm or as customer's requirements

IV CURVES

Current-Voltage Curve (JFS1-144-166)



Power-Voltage Curve (JFS1-144-166)



PACKING DETAILS

Dimension	(mm)	2094×1038×35
Weight	(kg)	23.5
Loading Capacity	150pcs/20GP 660pcs/40HC	
Packing	Pcs/pallet	30