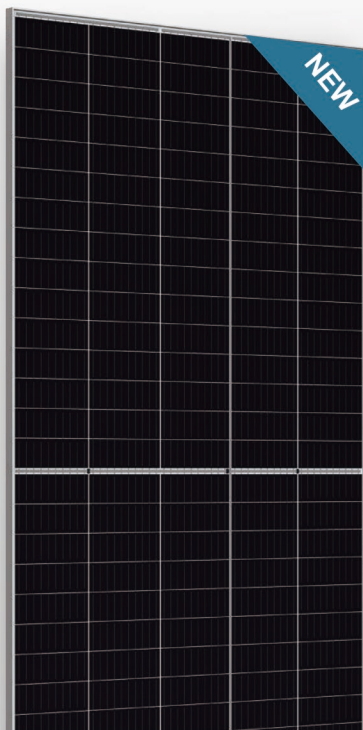




JF SOLAR



M12 Mono Half Cell Module

JFS3-150-210
480~505W
Trisection Technology

JFS3-150-480M
JFS3-150-485M
JFS3-150-490M
JFS3-150-495M
JFS3-150-500M
JFS3-150-505M

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



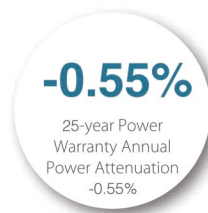
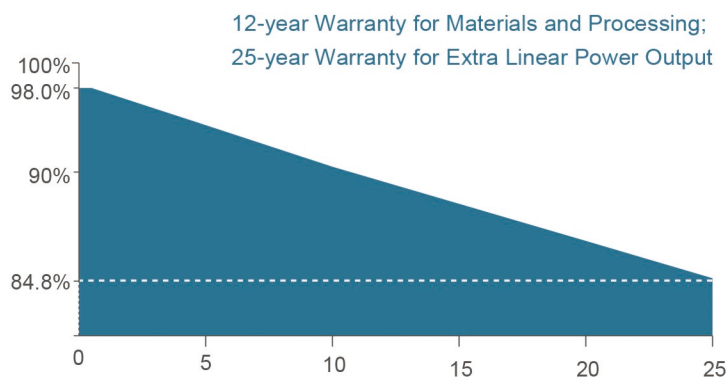
Less Shading Effect



0+5W Positive Tolerance



PID Resistance



■ Additional value from JF Solar's linear warranty

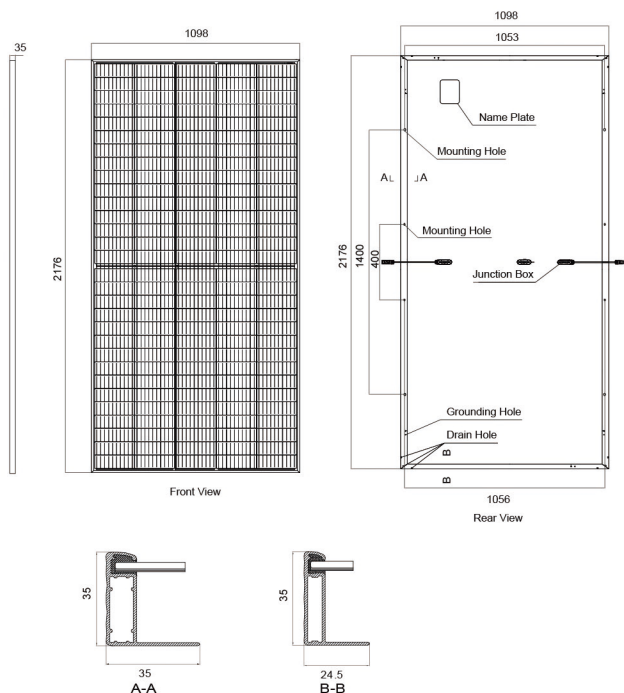
M12 Mono Half Cell (5×30) Mono Solar Module

Module Type		JFS3-150-480M		JFS3-150-485M		JFS3-150-490M		JFS3-150-495M		JFS3-150-500M		JFS3-150-500M	
		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	Pmax(W)	480	363	485	367	490	371	495	375	500	379	505	382
Open Circuit Voltage	Voc(V)	50.8	48.0	51.1	48.2	51.3	48.4	51.5	48.6	51.7	48.8	51.9	49.0
Short Circuit Current	Isc(A)	11.99	9.65	12.07	9.72	12.14	9.77	12.21	9.83	12.28	9.89	12.35	9.94
Maximum Power Voltage	Vm(V)	42.0	39.6	42.2	39.8	42.4	40.0	42.6	40.2	42.8	40.4	43.0	40.6
Maximum Power Current	Im(A)	11.42	9.15	11.49	9.20	11.56	9.26	11.63	9.32	11.69	9.37	11.75	9.43
Module Efficiency	(%)	20.1		20.3		20.5		20.7		20.9		21.1	
Tolerance	(W)	0~+5											
Cell Type	(mm)	210×210											
Number of Cells	(Pcs)	150 (5×30)											
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)	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



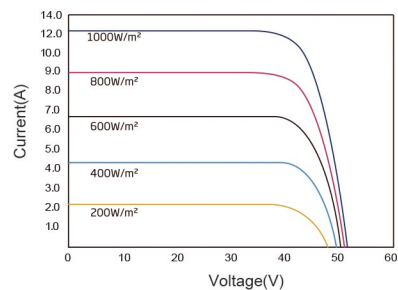
Manufactured in China

MATERIAL DETAILS

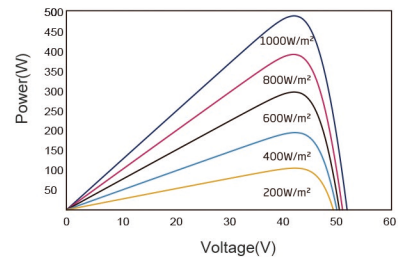
Frame	35mm aluminum alloy frame
Glass	3.2mm, high transmittance, AR coated heat strengthened glass
Cell	5×30 mono solar cell
Junction Box	IP≥ 68, TÜV & UL
Packaging material	EVA
Cable&Connector	4mm ² ; TS4/MC4-EV02
Cable Length	Vertical installation: cathode 280mm/anode 280 mm Horizontal installation: cathode 1400mm/anode 1400mm

IV CURVES

Current-Voltage Curve (JFS3-150-210)



Power-Voltage Curve (JFS3-150-210)



PACKING DETAILS

Dimension	(mm)	2176×1098×35
Weight	(kg)	26.3
Loading Capacity		600pcs/40HC
Packing	Pcs/pallet	30