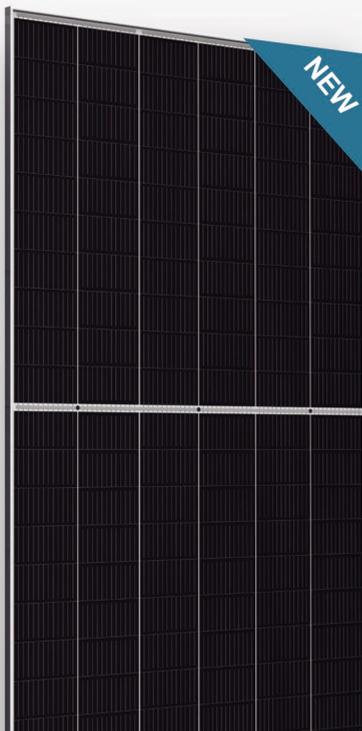




JF SOLAR



## M12 Mono Half Cell Module

# JFS3-120-210 585~605W

JFS3-120-585M  
JFS3-120-590M  
JFS3-120-595M  
JFS3-120-600M  
JFS3-120-605M

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



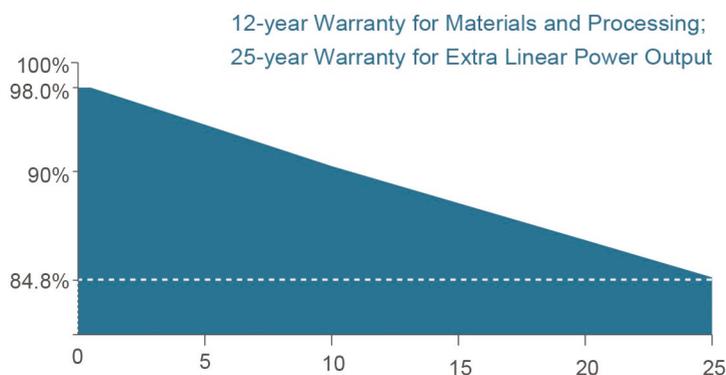
Less Shading Effect



0+5W Positive Tolerance



PID Resistance



■ Additional value from JF Solar's linear warranty

Anhui JF Solar Technology Co., Ltd

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E-mail:info@jf-solartech.com

ADD:No.9 ,West Taiyanghe Road,He County Economic Development Zone,Maanshan City,Anhui Province,China

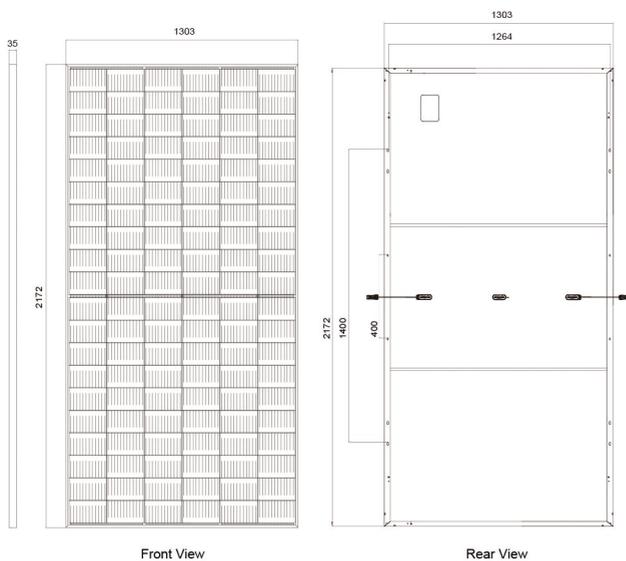
# M12 Mono Half Cell (6×20) Mono Solar Module

Module Type		JFS3-120-585M		JFS3-120-590M		JFS3-120-595M		JFS3-120-600M		JFS3-120-605M	
		STC	NOCT								
Test Environment		STC	NOCT								
Maximum Power	P <sub>max</sub> (W)	585	443	590	447	595	451	600	454	605	458
Open Circuit Voltage	V <sub>oc</sub> (V)	40.9	38.5	41.1	38.7	41.3	38.9	41.5	39.1	41.7	39.3
Short Circuit Current	I <sub>sc</sub> (A)	18.37	14.81	18.42	14.85	18.47	14.88	18.52	14.92	18.57	14.96
Maximum Power Voltage	V <sub>m</sub> (V)	33.8	31.5	34.0	31.7	34.2	31.9	34.4	32.0	34.6	32.2
Maximum Power Current	I <sub>m</sub> (A)	17.31	14.05	17.35	14.09	17.40	14.13	17.44	14.18	17.49	14.22
Module Efficiency	(%)	20.7		20.7		21.0		21.2		21.4	
Tolerance	(W)	0~+5									
Cell Type	(mm)	210×210									
Number of Cells	(Pcs)	120 (6×20)									
Maximum System Voltage	(V)	1500V(IEC)									
Temp. Coeff. of Voc	(%/°C)	-0.250									
Temp. Coeff. of Isc	(%/°C)	0.04									
Temp. Coeff. of P <sub>m</sub>	(%/°C)	-0.340									
Operating Temperature	°C	-40 to 85									
Nominal Operating Cell Temperature (NOCT)	°C	43±2									
Max. Series Fuse	(A)	30									
Pressure Bearing	(Pa)	5400									
Wind Bearing	(Pa)	2400									

STC: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, AM1.5

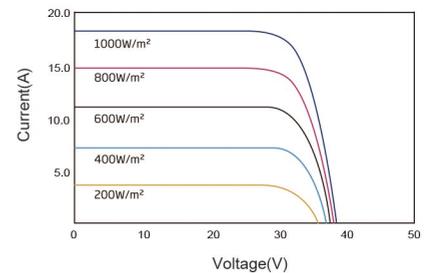
NOCT: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Wind speed 1m/s

## ENGINEERING DRAWINGS

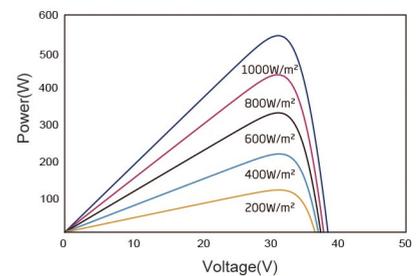


## IV CURVES

Current-Voltage Curve (JFS3-120-210)



Power-Voltage Curve (JFS3-120-210)



Manufactured in China

## MATERIAL DETAILS

Frame	35mm aluminum alloy frame
Glass	3.2mm, high transmittance, AR coated heat strengthened glass
Cell	6×20 mono solar cell
Junction Box	IP <sub>2</sub> : 68, TÜV & UL
Packaging material	3
Cable&Connector	4mm <sup>2</sup> TS4/MC4-EV02
Cable Length	Vertical installation: cathode 280mm/anode 280 mm Horizontal installation: cathode 1400mm/anode 1400mm

## PACKING DETAILS

Dimension	(mm)	2172×1303×35
Weight	(kg)	30.9
Loading Capacity		512pcs/40HC
Packing	Pcs/pallet	31