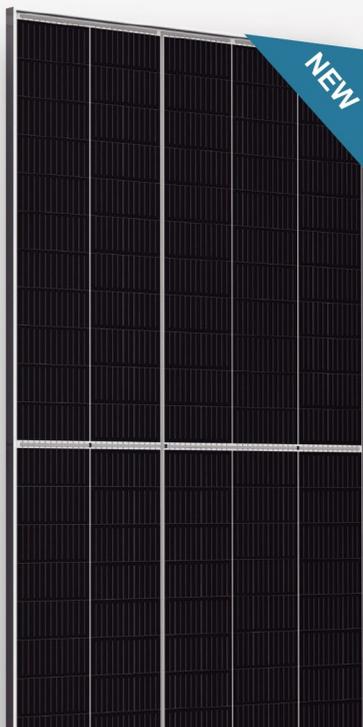




JF SOLAR



## M12 Mono Half Cell Module

# JFS3-110-210

## 535~555W

JFS3-110-535M  
JFS3-110-540M  
JFS3-110-545M  
JFS3-110-550M  
JFS3-110-555M

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



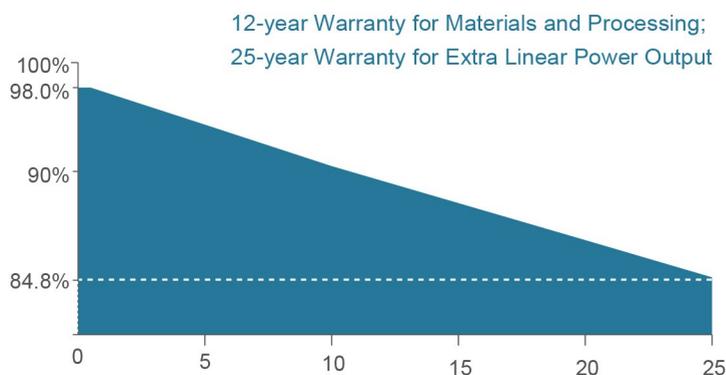
Less Shading Effect



0+5W Positive Tolerance



PID Resistance



■ Additional value from JF Solar's linear warranty

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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



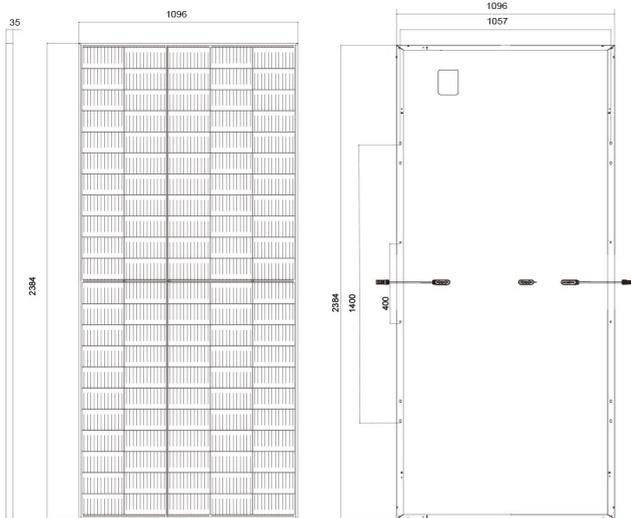
# M12 Mono Half Cell (5×22) Mono Solar Module

Module Type		JFS3-110-535M		JFS3-110-540M		JFS3-110-545M		JFS3-110-550M		JFS3-110-555M	
		STC	NOCT								
Test Environment		STC	NOCT								
Maximum Power	Pmax(W)	535	405	540	409	545	413	550	417	555	420
Open Circuit Voltage	Voc(V)	37.3	35.1	37.5	35.3	37.7	35.5	37.9	35.7	38.1	35.9
Short Circuit Current	Isc(A)	18.36	14.8	18.41	14.84	18.47	14.88	18.52	14.92	18.56	14.96
Maximum Power Voltage	Vm(V)	31.0	28.8	31.2	29.0	31.4	29.2	31.6	29.30	31.8	29.5
Maximum Power Current	Im(A)	17.28	14.06	17.33	14.10	17.37	14.15	17.40	14.19	17.45	14.23
Module Efficiency	(%)	20.5		20.7		20.9		21.0		21.2	
Tolerance	(W)	0~+5									
Cell Type	(mm)	210×210									
Number of Cells	(Pcs)	110 (5×22)									
Maximum System Voltage	(V)	1500V(IEC)									
Temp. Coeff. of Voc	(%/°C)	-0.25									
Temp. Coeff. of Isc	(%/°C)	0.04									
Temp. Coeff. of Pm	(%/°C)	-0.34									
Operating Temperature	°C	-40 to 85									
Nominal Operating Cell Temperature (NOCT)	°C	45±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



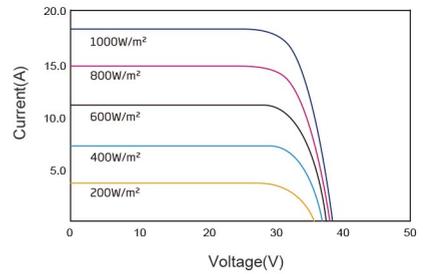
Manufactured in China

## MATERIAL DETAILS

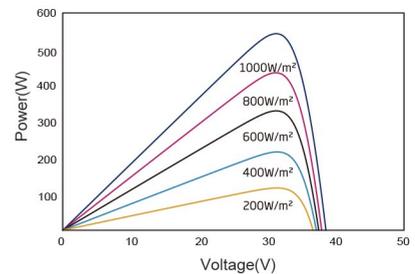
Frame	35mm aluminum alloy frame
Glass	3.2mm, high transmittance, AR coated heat strengthened glass
Cell	5×22 mono solar cell
Junction Box	IP <sub>2</sub> 68, TÜV & UL
Packaging material	EVA
Cable&Connector	4mm <sup>2</sup> TS4/MC4-EV02
Cable Length	Vertical installation:cathode 280mm/anode 280 mm Horizontal installation:cathode 1400mm/anode 1400mm

## IV CURVES

Current-Voltage Curve (JFS3-110-210)



Power-Voltage Curve (JFS3-110-210)



## PACKING DETAILS

Dimension	(mm)	2384×1096×35
Weight	(kg)	28.6
Loading Capacity		558pcs/40HC
Packing	Pcs/pallet	31