

JFS3-100-210 480 ~ 505W

(Positive power tolerance of 0~+5W)

G12 SOLAR MODULE

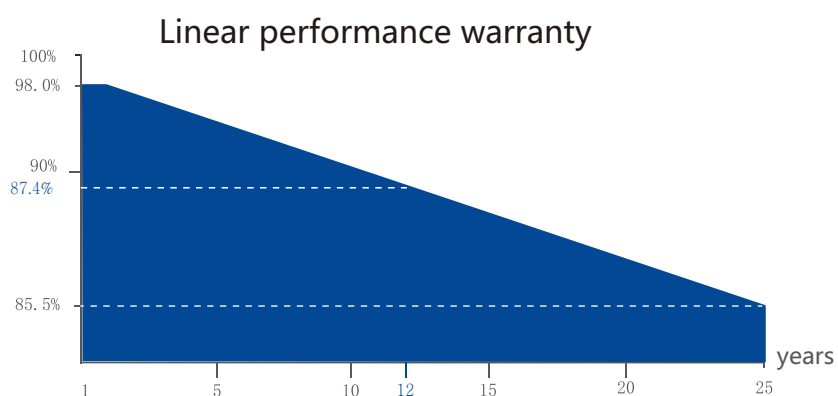
CERTIFICATION

IEC61215(2016),IEC61730(2016)
ISO9001:2015 Quality Management System
ISO14001:2015 Environmental Management System
ISO45001:2018 Occupational Health and Safety Management System









JF SOLAR is the professional solar modules manufacturer which is focus on production and development with more than 12 years experience. JF SOLAR annual capacity of high efficiency solar modules is 2GW with the most advanced automatic production lines.

-0.5% Annual degradation ,over 25 years guarantee



Key Features

-  MBB Half Cut Cell With PERC Technology
-  Higher Power Output
-  Better Low-light Performance
-  Less Shading Effect
-  PID Resistance
-  Enhanced Mechanical Load

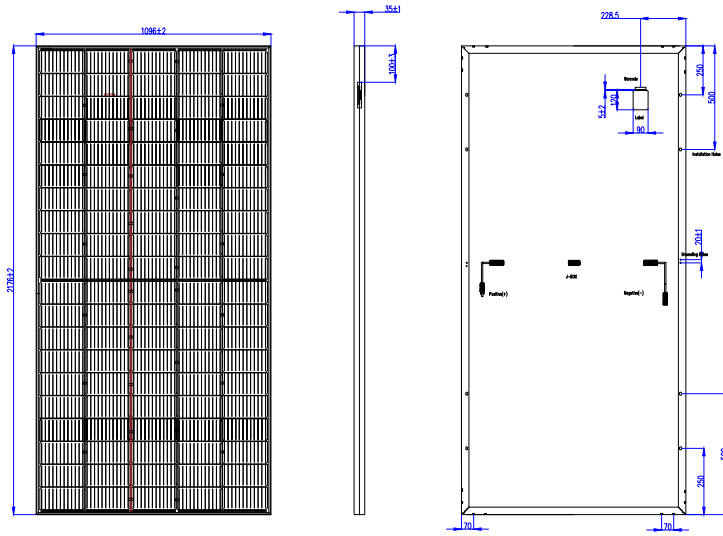
12 Product warranty

25 Linear warranty

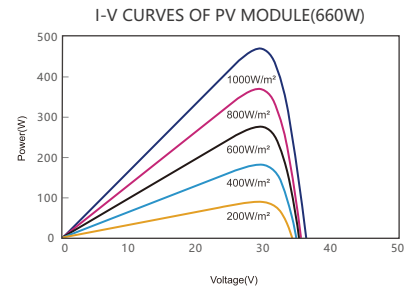
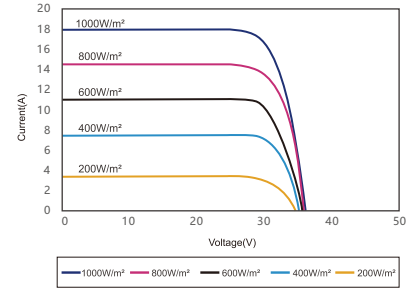
JFS3-100-210 480~505W



ENGINEERING DRAWINGS



IV CURVES



P-V CURVES OF PV MODULE(660W)

Module Type	JFS3-100-480M		JFS3-100-485M		JFS3-100-490M		JFS3-100-495M		JFS3-100-500M		JFS3-100-505M	
Module Efficiency (%)	20.1		20.3		20.5		20.7		20.9		21.1	
Tolerance (W)	0~+5w		0~+5w		0~+5w		0~+5w		0~+5w		0~+5w	
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
Cell Type (mm)	12BB-5X20Mono-Crystalline Silicon											
Number of Cells (Pcs)	100(5x20)											
Maximum System Voltage	DC1500											
Temp.Coeff.of Voc (%/°C)	-0.285											
Temp.Coeff.of Isc (%/°C)	0.055											
Temp.Coeff.of Pm (%/°C)	-0.365											
Operating Temperature (°C)	-40 to 85											
Nominal Operating Cell Temp(°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

MATERIAL DETAILS

Frame	Anodized aluminum(black and white is optional)	Glass	3.2mm low-iron tempered suede glass
Cell	12BB-5x20mono 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		

PACKING DETAILS

Dimension	2176x1096x35mm	Weight	26.3kg
Loading Capacity	620pcs/40HC	Packing	31pcs/pallet