



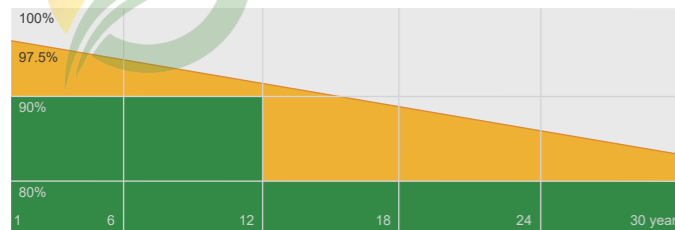
**Mono** 400W 21.5% 158mm  
 MAXIMUM POWER OUTPUT MAXIMUM EFFICIENCY SOLAR CELL  
 9/10BB JAM120B 375-400 Series

**Introduction**

Assembled with high-efficiency Multi-busbar PERC cells, the half-cell configuration of the modules offers the advantages of higher power output, better temperature-dependent performance, reduced shading effect on the energy generation, lower risk of hot spot, as well as enhanced tolerance for mechanical loading.

**Superior Warranty**

- 15-year product warranty
- 30-year power warranty
- 0.45% annual power consumption



■ Jingsun Linear Power Warranty ■ Industry Warranty

- Higher output power
- Less shading effect
- Lower temperature coefficient
- Better mechanical loading tolerance

**Comprehensive Certificates**

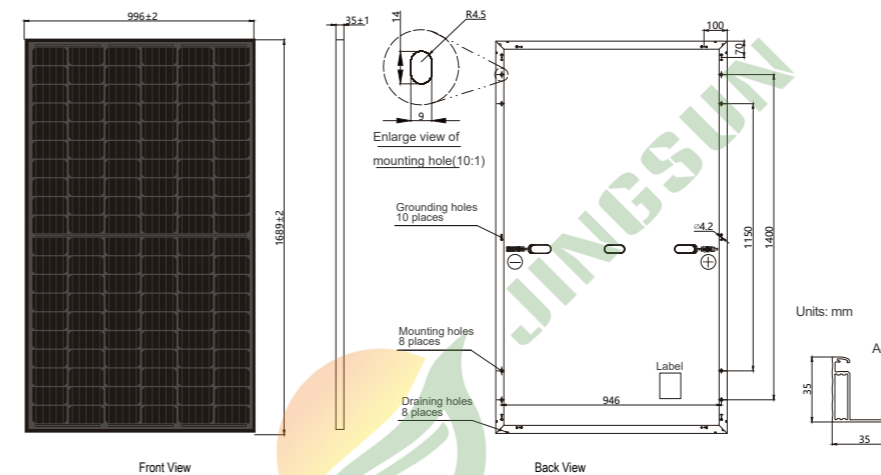
- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- OHSAS 18001: 2007 Occupational health and safety management systems



**JINGSUN**

**JAM120B 375-400**

**MECHANICAL DIAGRAMS**



Remark: customized frame color and cable length available upon request

**SPECIFICATIONS**

Cell	158mm half cut
Weight	20.5kg±3%
Dimension	1689±2mmx996±2mmx35mm/30mm
Glass	3.2mm <sup>2</sup> low-iron tempered suede glass
No. of cells	120(6x20)
Junction Box	IP≥68,3diodes
Cable&Connector	4mm <sup>2</sup> ,EVO2 or EVO2 compatible
Modules Per Pallet	31/36pcs
Modules Per 40HQ	806/980pcs

**ELECTRICAL PARAMETERS AT STC**

TYPE	JAM120B-375	JAM120B-380	JAM120B-385	JAM120B-390	JAM120B-395	JAM120B-400
Rated Maximum Power Pmax(W)	375	380	385	390	395	400
Open Circuit Voltage Voc(V)	41.45	41.62	41.78	41.94	42.10	42.26
Maximum Power Voltage Vmp(V)	34.50	34.77	35.04	35.33	35.62	35.91
Short Circuit Current Isc(A)	11.41	11.47	11.53	11.58	11.63	11.68
Maximum Power Current Imp(A)	10.87	10.93	10.99	11.04	11.09	11.14
Module Efficiency (%)	20.2	20.4	20.7	21.0	21.2	21.5
Power Tolerance	0~+5W					
Temperature Coefficient of Isc(α <sub>Isc</sub> )	+0.044%/C					
Temperature Coefficient of Voc(β <sub>Voc</sub> )	-0.272%/C					
Temperature Coefficient of Pmax(γ <sub>Pmp</sub> )	-0.350%/C					
STC	Irradiance 1000W/m <sup>2</sup> , cell temperature 25 C, AM1.5G					

Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types. Measurement tolerance at STC: Pmax ±3 %, Voc ±2% and Isc ±4%.

**ELECTRICAL PARAMETERS AT NOCT**

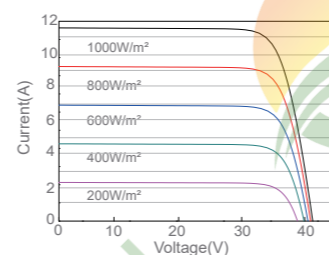
TYPE	JAM120B-375	JAM120B-380	JAM120B-385	JAM120B-390	JAM120B-395	JAM120B-400
Rated Maximum Power Pmax(W)	284	287	291	295	299	304
Open Circuit Voltage Voc(V)	38.89	39.14	39.38	39.63	39.88	40.13
Maximum Power Voltage Vmp(V)	32.55	32.72	32.96	33.20	33.44	33.68
Short Circuit Current Isc(A)	9.25	9.30	9.35	9.40	9.45	9.50
Maximum Power Current Imp(A)	8.71	8.78	8.83	8.88	8.93	8.98
NOCT	Irradiance 800W/m <sup>2</sup> , ambient temperature 20 C, wind speed 1m/s, AM1.5G					

**OPERATING CONDITIONS**

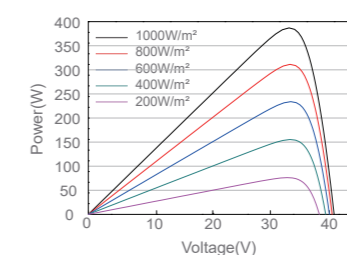
Maximum System Voltage	1000V/1500V DC(IEC)
Operating Temperature	-40 C ~+85 C
Maximum Series Fuse	25A
Maximum Static Load,Front	5400Pa, 1.5
Maximum Static Load,Back	2400Pa, 1.5
NOCT	45±2 C
Application Class	Class A

**CHARACTERISTICS**

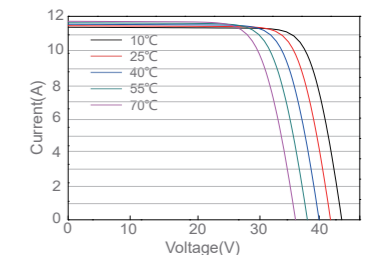
Current-Voltage Curve JAM120B-380



Power-Voltage Curve JAM120B-380



Current-Voltage Curve JAM120B-380



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