



All Black JX120HC-158M Series

9BB 320W-340W Half Cell Solar Module

Features

- The most flexible for any roof top condition and orientation
- Built-in intelligent cell-string optimizer IC avoids consequences of any type of mismatch within a panel caused by shading, soiling, aging, unfavorable house orientation, etc. To ensure greatest power out put possible.
- Best-in-class shade tolerance by performing MPPT on individual cell-strings to maximize energy harvest.
- Elimination of hot sopts, which results in minumized panel degradation
- Certified to withstand increased loads of up to 5400Pa

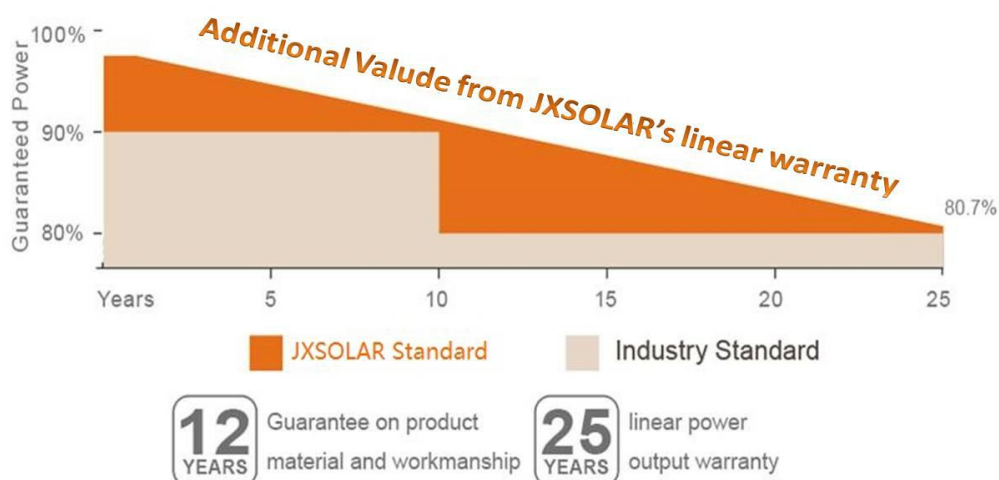
Use Maxim Optimizer

INCREASE POWER HARVEST UP to **30%**

JX Cell-string Optimizer Module allows each cell-string to deliver maximum power under all conditions.



Linear Performance Warranty



DATA (STC)					
ELECTRICAL DATA(STC)					
Peak Power Watts-Pmax(Wp)	320	325	330	335	340
Power Output Tolerance-P MAX (W)	0~+5W				
Maximum Power Voltage-V MPP (V)	33.6	33.8	34.1	34.4	34.6
Maximum Power Current-I MPP (A)	9.52	9.61	9.67	9.73	9.82
Open Circuit Voltage-V OC (V)	41.3	41.5	41.9	42.3	42.5
Short Circuit Current-I SC (A)	10.19	10.28	10.35	10.4	10.51
Module Efficiency η_m (%)	18.96	19.26	19.55	19.85	20.15

STC:Irradiance 1000 W/m², Cell Temperature 25℃,Air Mass AM1.5.

MECHANICAL DATA	
Solar cells	Mon 158.75×158.75 mm 9BB (200μm ± 20μm thickness)
Cell orientation	120cells (6×10)
Module dimensions	1684×1002×35mm
Weight	18.7kg
Glass	3.2mm (0.13 inches), High Transmission, AR Coated Tempered Glass
Frame	Black anodized alunnium alloy
Encapsulation Material	EVA (0.50±0.03mm thickness)
Backsheet	Black TPT (0.32±0.03mm thickness)
J-Box	IP68 rated (3 optimizers)
Cables	Photovoltaic Technology cable 4.0mm² (0.006 inches²), Portrait 1.2m(+)/1.2m(-)

TEMPERATURE RATINGS	
Nominal Operating Cell Temperature (NOCT)	44℃(±2℃)
Temperature Coefficient of P _{MAX}	- 0.39%/℃
Temperature Coefficient of Voc	- 0.29%/℃
Temperature Coefficient of Isc	0.05%/℃

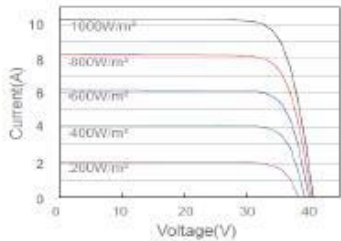
PACKAGING	
Standard packaging	30pcs/pallet
Module quantity per 20’ container	400 pcs
Module quantity per 40’ container	840 pcs

MAXIMUM RATINGS	
Operational Temperature	-40~+85℃
Maximum System Voltage	1000VDC(IEC)
Max Series Fuse Rating	15A

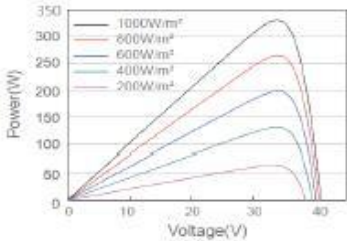
I-V & P-V Curves

SOLAR MODULE 120-330W

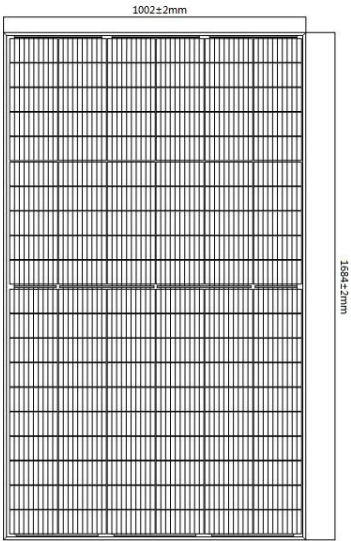
Current-Voltage Curve



Power-Voltage Curve



Module Diagram



Dimensions in brackets are in inches.
Un-bracketed dimensions are in millimeters.
Unit: mm[in.]

