

## JX144HC-158M Series

395W-415W Half Cell Monocrystalline Module

### Features

- Solid PID resistance
- Mono PERC with Half-cut Technology
- Slower power degradation
- Reduced resistive loss with lower operating current
- Reduced hot spot risk with optimized design and lower operating current
- High efficiency, all the innovative manufacturing technology, brings high conversion efficiency (up to 20.55%)

### Management System and Product Certificate

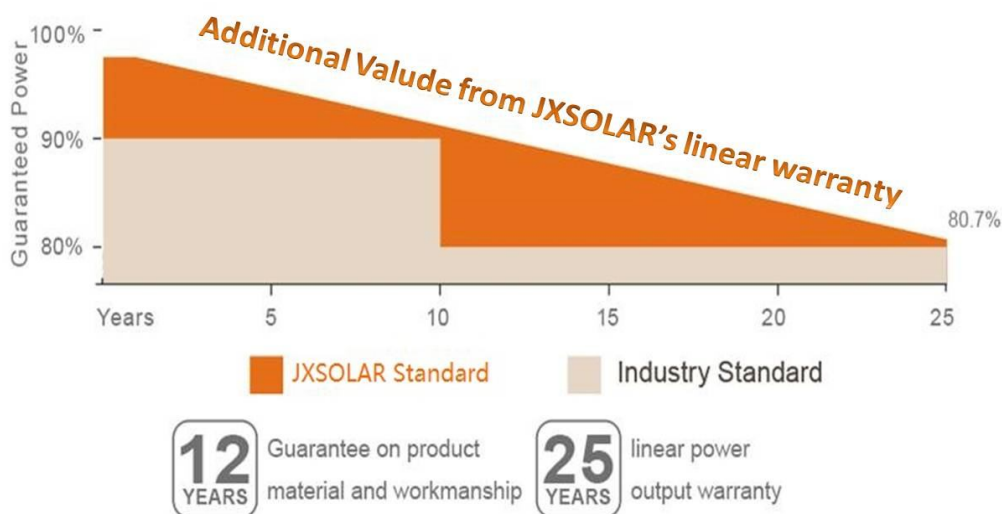
Conform to IEC 61215, IEC 61730 and CE

ISO 9001: 2015: ISO Quality Management System

ISO 14001: 2015: ISO Environmental management system



### Linear Performance Warranty



DATA (STC)					
ELECTRICAL DATA(STC)					
Peak Power Watts-Pmax(Wp)	395	400	405	410	415
Power Output Tolerance-P MAX (W)	0~+5W				
Maximum Power Voltage-V MPP (V)	40.83	41.12	41.43	41.75	41.95
Maximum Power Current-I MPP (A)	9.67	9.70	9.77	9.82	9.89
Open Circuit Voltage-V OC (V)	50.22	41.7	50.95	51.35	51.59
Short Circuit Current-I SC (A)	10.34	10.38	10.45	10.50	10.58
Module Efficiency $\eta_m$ (%)	19.56	19.81	20.06	20.31	20.55

STC:Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25℃,Air Mass AM1.5.

MECHANICAL DATA	
Solar cells	Monocrystalline 158.75×158.75mm 9BB
Cell orientation	144cells (6×24)
Module dimensions	2015×1002×40mm
Weight	23kg
Glass	3.2mm (0.13 inches), High Transmission, AR Coated Tempered Glass
Frame	Silver or black anodized Aluminum Alloy
Backsheet	White or black
J-Box	IP67 rated (3 or 6 diodes)
Cables	Portrait 300mm(+)/300mm(-)
Connector	MC4 or MC4 Compatible

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

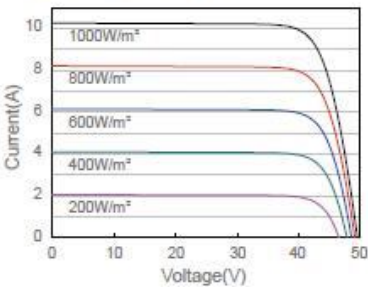
PACKAGING	
Standard packaging	26pcs/pallet
Module quantity per 20' container	284 pcs
Module quantity per 40' container	688 pcs

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

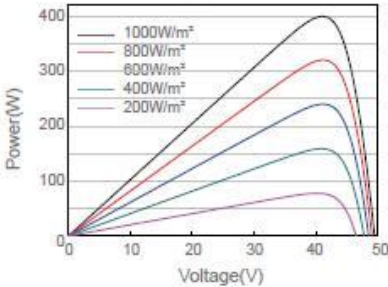
I-V & P-V Curves

SOLAR MODULE 144-400W

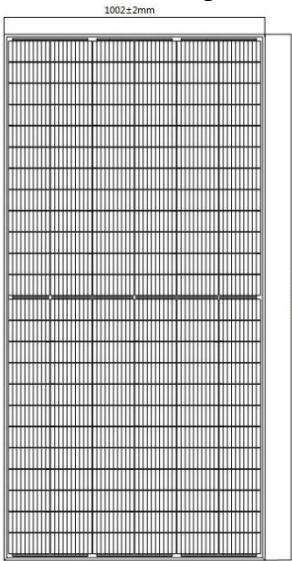
Current-Voltage Curve



Power-Voltage Curve



Module Diagram



Dimensions in brackets are in inches.

Un-bracketed dimensions are in millimeters.

Unit: mm[in.]

