

# Monocrystalline Module

JS210MC120

**405W**

Maximum power output

**0~+5W**

Positive power tolerance

**21.1%**

Maximum Efficiency



### High power up to show

- 210mm silicon wafers with multibusbar
- Up to 21.1% module efficiency with high density interconnect technology
- Multi-busbar technology for better light trapping effect, lower series resistance and improved current collection



### High customer value

- Less mismatch to get more power
- Designed for compatibility with existing mainstream system components
- Higher return on Investment



### PID Resistant

- Minimized micro-cracks with innovative non-destructive cutting technology
- Ensured PID resistance through cell process and module material control

**25**

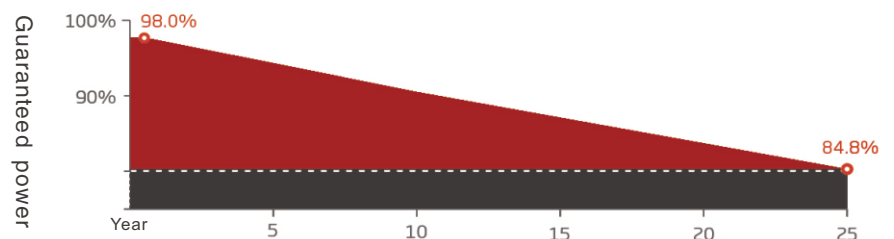
### 25-year power warranty

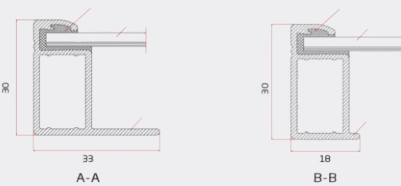
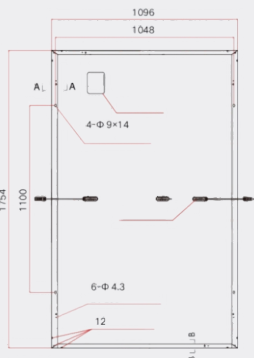
2400 Pa wind load and 5400Pa snow load

## Comprehensive Products and System Certificates

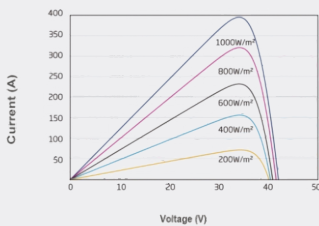
ISO 9001  
ISO 14001  
ISO 45001  
IEC 61215/IEC 61730

JS Solar's performance Warranty

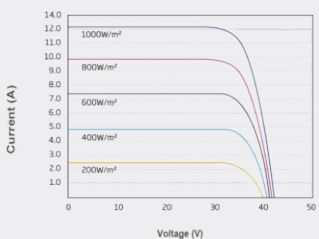




**Current-Voltage Curve under different irradiance**



**Current-Voltage Curve under different working temperatures**



## ELECTRICAL DATA (STC)

Peak Power Watts- P <sub>MAX</sub> (W <sub>p</sub> )	390	395	400	405
Power Tolerance- P <sub>MAX</sub> (W)	0 ~ +5			
Maximum Power Voltage- V <sub>MPP</sub> (V)	33.8	34.0	34.2	34.4
Maximum Power Current- I <sub>MPP</sub> (A)	11.54	11.62	11.70	11.77
Open Circuit Voltage- V <sub>OC</sub> (V)	40.8	41.0	41.2	41.4
Short Circuit Current- I <sub>SC</sub> (A)	12.14	12.21	12.28	12.34
Module Efficiency η <sub>m</sub> (%)	20.3	20.5	20.8	21.1

STC: Irradiance 1000W/m<sup>2</sup> Cell Temperature 25°C Air Mass AM1.5.  
\*Measuring tolerance: ±3%.

## ELECTRICAL DATA (NOCT)

Maximum Power- P <sub>MAX</sub> (W <sub>p</sub> )	295	298	302	306
Maximum Power Voltage- V <sub>MPP</sub> (V)	31.8	32.0	32.2	32.5
Maximum Power Current- I <sub>MPP</sub> (A)	9.26	9.32	9.38	9.41
Open Circuit Voltage- V <sub>OC</sub> (V)	38.4	38.6	38.8	38.9
Short Circuit Current- I <sub>SC</sub> (A)	9.78	9.84	9.90	9.95

NOCT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C Wind Speed 1m/s

## MECHANICAL DATA

Solar Cells	Monocrystalline
Cell Orientation	120 cells
Module Dimensions	1754×1096×30 mm
Weight	21.0kg
Glass	3.2 mm , High Transmission, AR Coated Heat Strengthened Glass
Encapsulant Material	EVA
Backsheet	White
Frame	30 mm Anodized Aluminium Alloy
J-Box	IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm <sup>2</sup> 250mm(+)/350(-) or Customized Length

\*Please refer to regional datasheet for specified connector.

## TEMPERATURE RATINGS

NOCT (Nominal Operating Cell Temperature)	45°C (±2°C)
Temperature Coefficient of P <sub>MAX</sub>	-0.35%/°C
Temperature Coefficient of V <sub>OC</sub>	-0.27%/°C
Temperature Coefficient of I <sub>SC</sub>	0.05%/°C

## MAXIMUM RATINGS

Operational Temperature	-40 ~ +85°C
Maximum System Voltage	1500V DC (IEC)
Max Series Fuse Rating	25A

## PACKAGING CONFIGURATION

Modules per box:	36 pieces
Modules per 40' container:	936 pieces