

# Monocrystalline Module

## JS210MHC120

**605W**

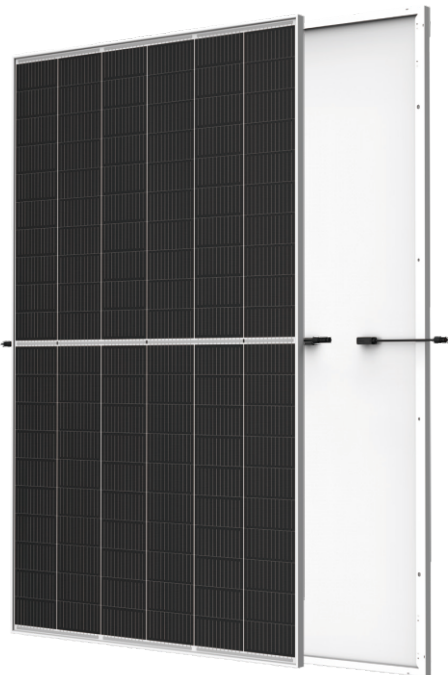
Maximum power output

**0~+5W**

Positive power tolerance

**21.4%**

Maximum Efficiency



### High power up to show

- Large area cells based on 210mm silicon wafers and half-cut cell technology
- Up to 21.4% 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

- Lower guaranteed first year and annual degradation
- 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

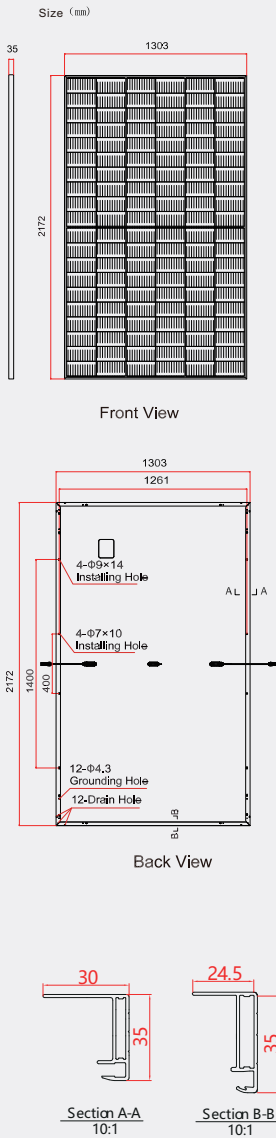
## Comprehensive Products and System Certificates

ISO 9001  
ISO 14001  
ISO 45001  
IEC 61215/IEC 61730  
CGC

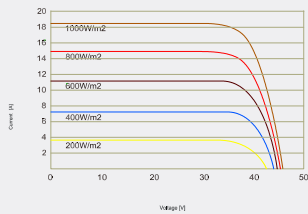
JS Solar's performance Warranty



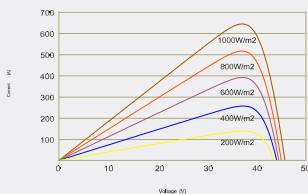
## Module Size (mm)



I-V CURVES OF PV MODULE (595W)



P-V CURVES OF PV MODULE (595W)



## ELECTRICAL DATA (STC)

	585	590	595	600	605
Peak Power Watts-PMAX (Wp)	585	590	595	600	605
Power Tolerance-PMAX (W)	0 ~ +5				
Maximum Power Voltage-VMPP (V)	33.7	33.7	34.1	34.3	34.5
Maximum Power Current-IMPP (A)	17.35	17.4	17.45	17.49	17.54
Open Circuit Voltage-VOC (V)	40.9	41.1	41.3	41.5	41.7
Short Circuit Current-ISC (A)	18.37	18.42	18.47	18.52	18.57
Module Efficiency η m (%)	20.7%	20.8%	21.0%	21.2%	21.4%

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

## ELECTRICAL DATA (NOCT)

	443	447	451	454	458
Maximum Power-PMAX (Wp)	443	447	451	454	458
Maximum Power Voltage-VMPP (V)	31.5	31.7	31.9	32.0	32.2
Maximum Power Current-IMPP (A)	14.05	14.09	14.13	14.18	14.22
Open Circuit Voltage-VOC (V)	38.5	38.7	38.9	39.1	39.3
Short Circuit Current-ISC (A)	14.81	14.85	14.92	14.92	14.96

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

## MECHANICAL DATA

Solar Cells	Monocrystalline
Cell Orientation	120 cells
Module Dimensions	2172x1303x35 mm
Weight	30.6 kg
Glass	3.2 mm , High Transmission, AR Coated Heat Strengthened Glass
Encapsulant Material	EVA
Backsheet	White
Frame	35 mm Anodized Aluminium Alloy
J-Box	IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm <sup>2</sup> Portrait: N 300mm/P 300mm Length can be customized

\*Please refer to regional datasheet for specified connector.

## TEMPERATURE RATINGS

NOCT(Nominal Operating Cell Temperature)	43°C (±2°C)
Temperature Coefficient of PMAX	-0.34%/°C
Temperature Coefficient of VOC	-0.25%/°C
Temperature Coefficient of ISC	0.04%/°C

## MAXIMUM RATINGS

Operational Temperature	-40 ~ +85°C
Maximum System Voltage	1500V DC (IEC)
Max Series Fuse Rating	20A

## PACKAGING CONFIGURATION

Modules per box:	31 pieces
Modules per 40' container:	558 pieces