

# QSUN-M210-120S 585-605W

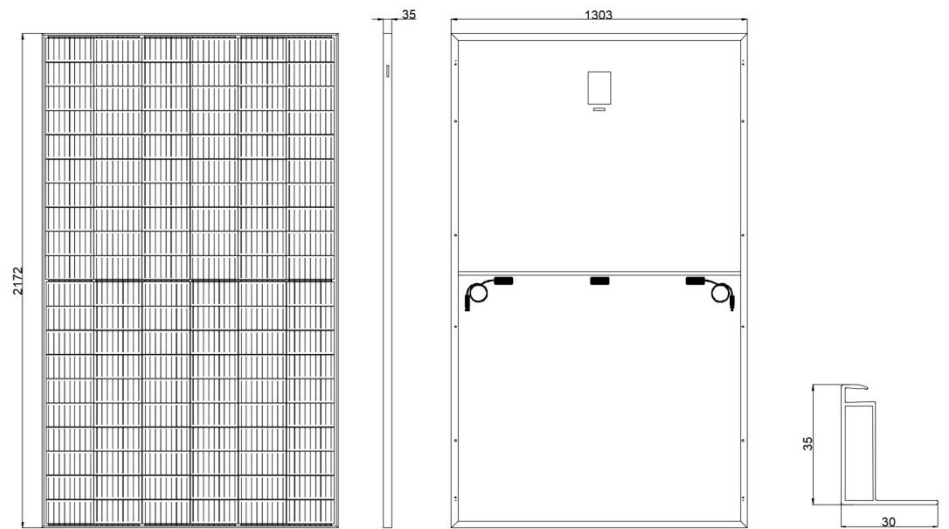
## Electrical Parameters At STC

Model Type	QN-585HQ	QN-590HQ	QN-595HQ	QN-600HQ	QN-605HQ
Peak Power-Pmax (W)	585	590	595	600	605
Open Circuit Voltage-Voc (V)	41.1	41.3	41.5	41.7	41.9
Short Circuit Current-Isc (A)	18.22	18.27	18.31	18.35	18.39
Maximum Power Voltage-Vmp (V)	34.1	34.3	34.5	34.7	34.9
Maximum Power Current-Imp (A)	17.16	17.21	17.25	17.30	17.34
Module Efficiency - $\eta_m$ (%)	20.7	20.8	21.0	21.2	21.4
Power Tolerance	0+3%				
Temperature Coefficient of Isc	+0.055%/°C				
Temperature Coefficient of Voc	-0.289%/°C				
Temperature Coefficient of Pmax	-0.380%/°C				
Standard Testing Condition (STC)	Irradiance: 1000W/m <sup>2</sup>		Temperature: 25°C		AM=1.5

## Specifications

Cell	Mono
Cell Size	210×105 mm
No. of Cells	120pcs (6×20)
Dimension	2172×1303×35×30mm
Weight	31Kg±3%
Glass	3.2mm
Frame	Anodized Aluminum Alloy
Junction Box	IP68Rated
Internal Diodes	3 Bypass Diodes
Cable Length	(+) 300mm and (-) 400mm
Max Load	5400Pa
Packaging Configuration	31pcs/pallet
	558pcs/40ft Container

## Mechanical Diagrams



## Electrical Parameters At NOCT

Maximum Power-Pmax (W)	443	447	451	454	458
Open Circuit Voltage-Voc (V)	38.5	38.7	38.9	39.1	39.3
Short Circuit Current-Isc (A)	14.81	14.85	14.88	14.92	14.96
Maximum Power Voltage-Vmp (V)	31.5	31.7	31.9	32.0	32.2
Maximum Power Current-Imp (A)	14.05	14.09	14.13	14.18	14.22

## Operating Parameters

Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	30A
Nominal Operating Cell Temperature	45±2°C
Operational Temperature	-45°C-+85°C
Safety Class	Class II

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

