

# QSUN-120MS 360-380W

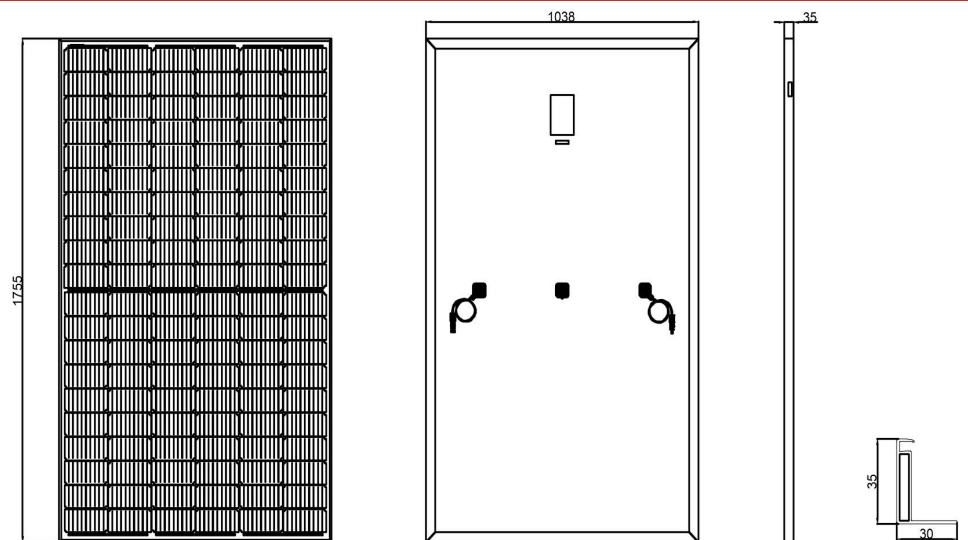
## Electrical Parameters At STC

Model Type	QN-360HH-A	QN-365HH-A	QN-370HH-A	QN-375HH-A	QN-380HH-A
Peak Power-Pmax (W)	360	365	370	375	380
Open Circuit Voltage-Voc (V)	40.6	40.8	41.0	41.2	41.4
Short Circuit Current-Isc (A)	11.25	11.34	11.42	11.51	11.59
Maximum Power Voltage-Vmp (V)	34.1	34.3	34.5	34.7	34.9
Maximum Power Current-Imp (A)	10.56	10.65	10.73	10.81	10.89
Module Efficiency - $\eta_m$ (%)	19.8	20.0	20.3	20.6	20.9
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	166×83 mm
No. of Cells	120pcs (6×20)
Dimension1	1755×1038×35×30mm
Weight	19.5Kg±3%
Glass	3.2mm
Frame	Anodized Aluminum Alloy
Junction Box	IP68Rated
Internal Diodes	3 Bypass Diodes
Max Load	5400Pa
Packaging Configuration	30pcs/pallet
	780pcs/40ft Container

## Mechanical Diagrams



## Electrical Parameters At NOCT

Maximum Power-Pmax (W)	268.8	272.6	276.3	280.0	283.8
Open Circuit Voltage-Voc (V)	38.0	38.2	38.3	38.5	38.7
Short Circuit Current-Isc (A)	9.17	9.25	9.32	9.38	9.45
Maximum Power Voltage-Vmp (V)	31.7	31.8	32.0	32.2	32.4
Maximum Power Current-Imp (A)	8.49	8.56	8.63	8.69	8.76

## Operating Parameters

Maximum System Voltage	1000V/1500V DC
Maximum Series Fuse Rating	15A/20A
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

