

# QSUN-96MS 345-365W

## Electrical Parameters At STC

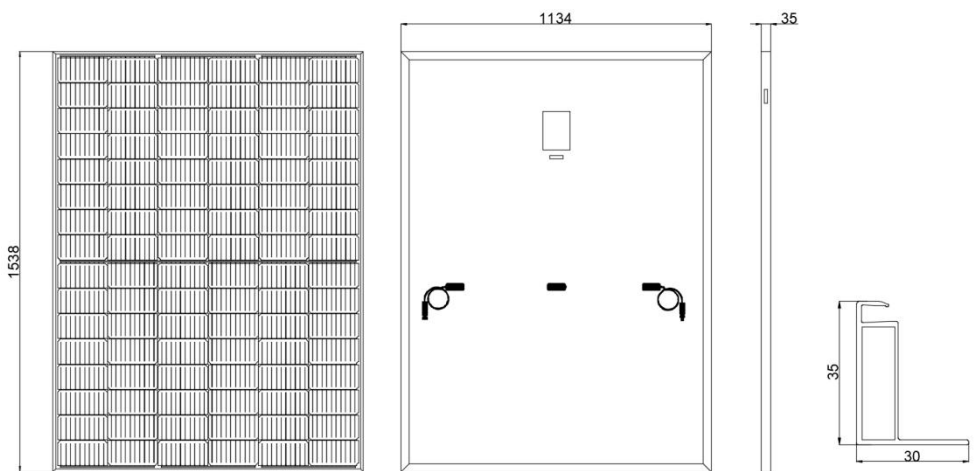
Model Type	QN-345HT	QN-350HT	QN-355HT	QN-360HT	QN-365HT
Peak Power-Pmax (W)	345	350	355	360	365
Open Circuit Voltage-Voc (V)	32.6	32.8	33.0	33.2	33.4
Short Circuit Current-Isc (A)	13.51	13.60	13.70	13.79	13.88
Maximum Power Voltage-Vmp (V)	27.4	27.6	27.8	28.0	28.2
Maximum Power Current-Imp (A)	12.60	12.69	12.77	12.86	12.95
Module Efficiency - $\eta_m$ (%)	19.8	20.1	20.4	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	182×91 mm
No. of Cells	96pcs (6×16)
Dimension	1538×1134×35×30mm
Weight	19.5Kg±3%
Glass	3.2mm
Frame	Anodized Aluminum Alloy
Junction Box	IP68Rated
Cable Length	(+) 1100mm and (-) 1100mm
Internal Diodes	3 Bypass Diodes
Max Load	5400Pa
Packaging Configuration	31pcs/pallet

868pcs/40ft Container

## Mechanical Diagrams



## Electrical Parameters At NOCT

Maximum Power-Pmax (W)	258.7	262.5	266.2	270	273.7
Open Circuit Voltage-Voc (V)	30.5	30.7	30.9	31.1	31.3
Short Circuit Current-Isc (A)	10.83	10.91	11.00	11.08	11.16
Maximum Power Voltage-Vmp (V)	25.2	25.4	25.6	25.8	26.0
Maximum Power Current-Imp (A)	10.28	10.34	10.41	10.47	10.53

## Operating Parameters

Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	25A
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

