

QSUN-108MS 390-410W

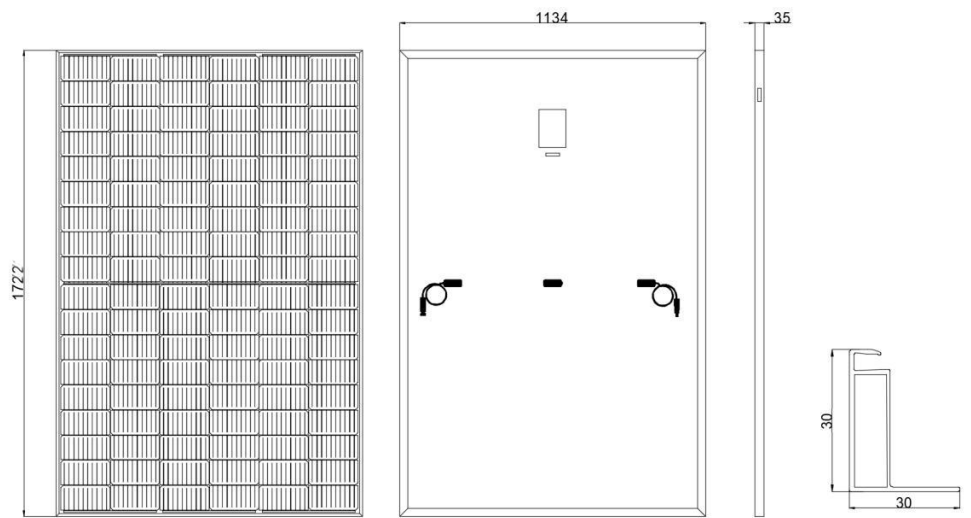
Electrical Parameters At STC

Model Type	QN-390HT-1	QN-395HT-1	QN-400HT-1	QN-405HT-1	QN-410HT-1
Peak Power-Pmax (W)	390	395	400	405	410
Open Circuit Voltage-Voc (V)	36.7	36.9	37.1	37.3	37.5
Short Circuit Current-Isc (A)	13.56	13.65	13.73	13.81	13.88
Maximum Power Voltage-Vmp (V)	30.8	31.0	31.2	31.4	31.6
Maximum Power Current-Imp (A)	12.67	12.75	12.83	12.90	12.98
Module Efficiency - η_m (%)	19.9	20.2	20.5	20.7	21.0
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 ²		Temperature: 25°C		AM=1.5

Specifications

Cell	Mono
Cell Size	182×91 mm
No. of Cells	108pcs (6×18)
Dimension	1722×1134×30×30mm
Weight	21.8Kg±3%
Glass	3.2mm
Frame	Anodized Aluminum Alloy
Junction Box	IP68Rated
Cable Length (+) 1200mm and (-) 1200mm	
Internal Diodes	3 Bypass Diodes
Max Load	5400Pa
Packaging Configuration	35(36)pcs/pallet
	910(936)pcs/40ft Container

Mechanical Diagrams



Electrical Parameters At NOCT

Maximum Power-Pmax (W)	294.9	298.6	302.3	306.0	309.6
Open Circuit Voltage-Voc (V)	34.4	34.6	34.8	35.0	35.2
Short Circuit Current-Isc (A)	10.93	10.98	11.04	11.10	11.16
Maximum Power Voltage-Vmp (V)	28.4	28.6	28.8	29.0	29.2
Maximum Power Current-Imp (A)	10.38	10.44	10.50	10.56	10.62

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/m², Ambient Temperature 20°C, Wind Speed 1m/s

