

# QSUN-M210-132S 650-665W

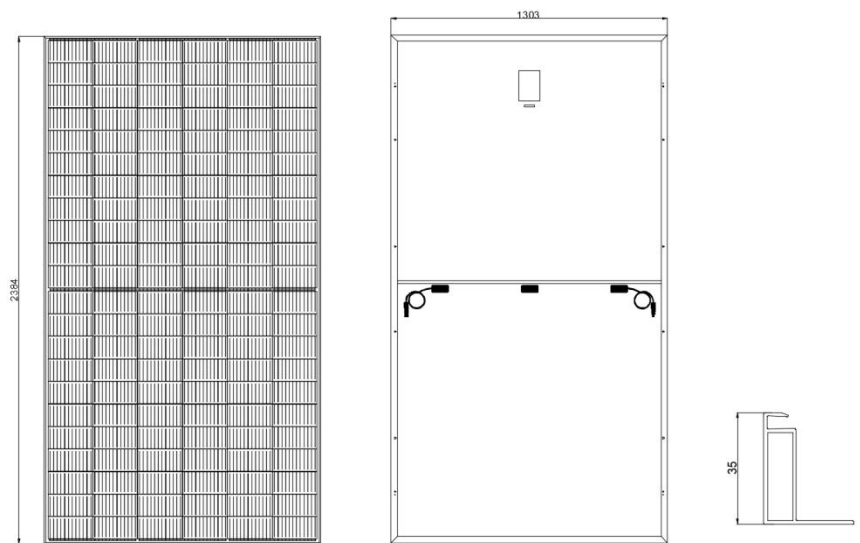
## Electrical Parameters At STC

Model Type	QN-650HH	QN-655HH	QN-660HH	QN-665HH
Peak Power-Pmax (W)	650	655	660	665
Open Circuit Voltage-Voc (V)	45.2	45.4	45.6	45.8
Short Circuit Current-Isc (A)	18.45	18.50	18.55	18.60
Maximum Power Voltage-Vmp (V)	37.4	37.6	37.8	38.0
Maximum Power Current-Imp (A)	17.38	17.43	17.47	17.50
Module Efficiency - $\eta_m$ (%)	20.9	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	132pcs (6×22)
Dimension	2384×1303×35mm
Weight	35.7Kg±3%
Glass	3.2mm
Frame	Anodized Aluminum Alloy
Junction Box	IP68Rated
Internal Diodes	3 Bypass Diodes
Cable Length	300mm
Max Load	5400Pa
Packaging Configuration	31pcs/pallet
	558pcs/40ft Container

## Mechanical Diagrams



## Electrical Parameters At NOCT

Maximum Power-Pmax (W)	492	496	500	503
Open Circuit Voltage-Voc (V)	42.6	42.8	43.0	43.2
Short Circuit Current-Isc (A)	14.85	14.88	14.92	14.96
Maximum Power Voltage-Vmp (V)	34.9	35.1	35.3	35.5
Maximum Power Current-Imp (A)	14.09	14.13	14.18	14.22

## Operating Parameters

Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	30A
Nominal Operating Cell Temperature	43±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

