

Highest quality with our cells.  
20MBB HJT Technology

# HJT MONO

## 760 - 780 Watt

### Silver Frame



#### Key features

- ✔ Passed IEC 5400 Pa mechanical loading test.
- ✔ The modules can withstand high wind-pressure, snow loads and extreme temperatures.
- ✔ Our high performing modules have an industry low tolerance of 0±5%.
- ✔ Our solar cells offer high conversion efficiency to ensure the highest quality.
- ✔ Highest quality with our cells.

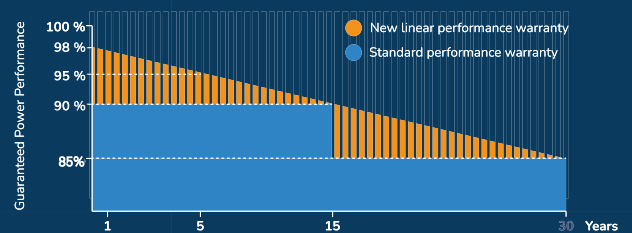


#### Quality and safety

- ✔ Industry leading power output warranty  
15 years / 90%  
30 years/85.2%
- ✔ 25-year warranty on materials & workmanship
- ✔ Fire test: Class 1



#### Premium performance warranty



#### Applications



On-grid residential roof-tops



On-grid commercial-industrial roof-tops

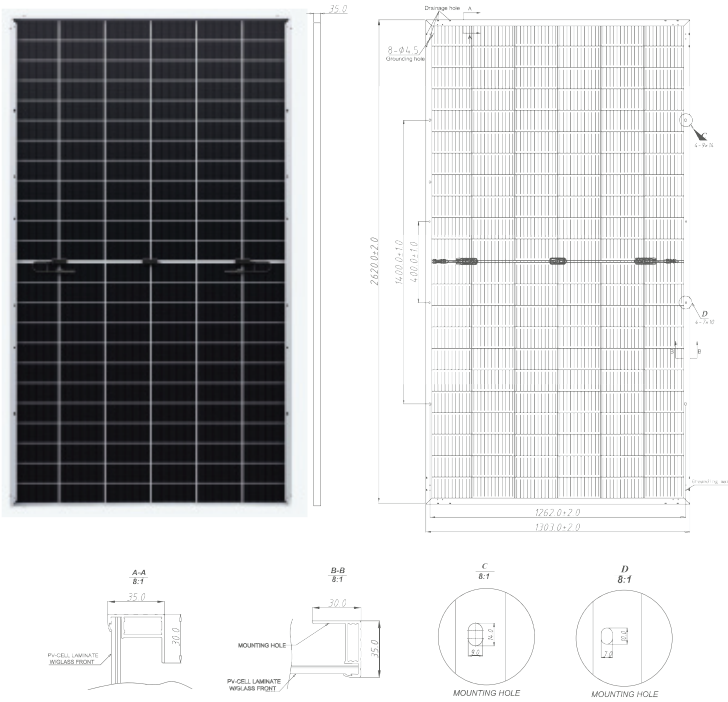


Solar power plants



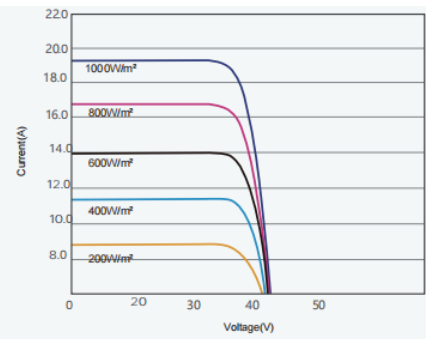
Off-grid systems

## Engineering drawings



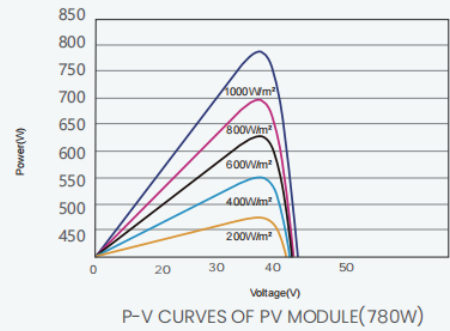
## Electrical performance & temperature dependence

I-V CURVES AT DIFFERENT TEMPERATURE (780W)



I-V CURVES OF PV MODULE (780W)

I-V / P-V CURVE AT DIFFERENT TEMPERATURE (780W)



P-V CURVES OF PV MODULE (780W)

## Electrical characteristics

Module Type	SNG760M-144	SNG765M-144	SNG770M-144	SNG775M-144	SNG780M-144
<b>TESTING CONDITION<sup>(1)</sup></b>	<b>STC<sup>(2)</sup>/NMOT</b>	<b>STC<sup>(2)</sup>/NMOT</b>	<b>STC<sup>(2)</sup>/NMOT</b>	<b>STC<sup>(2)</sup>/NMOT</b>	<b>STC<sup>(2)</sup>/NMOT</b>
Maximum Power at STC (Pmax)	760Wp/575.81Vp	765Wp/579.60Vp	770Wp/583.4Wp	775Wp/587.21Vp	780Wp/590.49Vp
Maximum Power Voltage (Vmp)	42.84V/40.21V	43.03V/40.39V	43.22V/40.57V	43.41V/40.75V	43.60V/40.92V
Max Power Current (Imp)	17.75A/14.32A	17.78A/14.35A	17.82A/14.38A	17.86A/14.41A	17.89A/14.43A
Open-circuit Voltage (Voc)	51.85V/49.53V	52.08V/49.75V	52.31V/49.97V	52.54V/50.20V	52.7V/50.35V
Short-circuit Current (Isc)	18.75A/15.14A	18.79A/15.18A	18.83A/15.20A	18.87A/15.23A	18.93A/15.30A
Module Efficiency (%)	22.26%	22.41%	22.55%	22.70%	22.84%
Operating Temperature 0C	-40°C ~ +85°C				
Maximum system voltage	1500V DC				
Maximum series fuse rating	30A				
Power tolerance	±5%				
Temperature coefficients of Pmax	-0.29%/°C				
Temperature coefficients of Voc	-0.25%/°C				
Temperature coefficients of Isc	0.045%/°C				
Nominal operating cell temperature (NOCT)	45±2°C				

(1) Measurement Tolerances: Pmax (+/- 5%), Isc & Voc (+/- 5%) - Power Classification 0/+5%

(2) STC (Standard Testing Condition): Irradiance 1000w/m², Cell Temperature 25°C, AM 1.5

(3) NMOT (Nominal Operating Module Temperature): Irradiance 800/m², NMOT, Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s

## Mechanical data

Cell type	HJT Technology (210x105mm)
No. of cells	144 (2X72)
Dimensions	2620x1303x35mm
Weight	44.5 KG
Front Glass	HJT Technology
Frame	Anodized Aluminium Alloy Silver Frame
Junction Box	IP68 Rated, 3 diodes
Output Cables	TUV: 1x4.0mm²; UL 12AWG Length: 400/1400mm or customized length
Connectors	Copper, Silver Plated, MC 4

## Packaging configuration

Dimensions	2620x1303x35mm
No. of pieces per pallet	31
Total number of pallets	14
Module quantity per 40' container	434

STC/NMOT

Irradiance 1000W/m²

Module Temperature 25°C

AM = 1.5