

Highest quality with our cells.
20MBB HJT Technology

BIFACIAL 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.

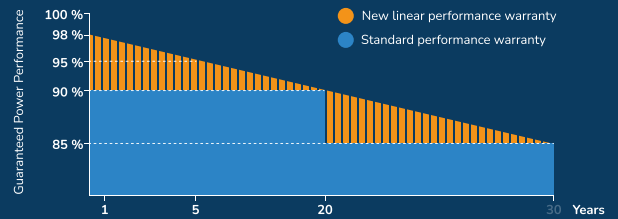


Quality and safety

- ✔ Industry leading power output warranty
20 years / 90%
30 years / 85,2%
- ✔ 30-year warranty on materials & workmanship
- ✔ Fire test: Class 1



Premium performance warranty



Applications



On-grid residential roof-tops



On-grid commercial-industrial roof-tops

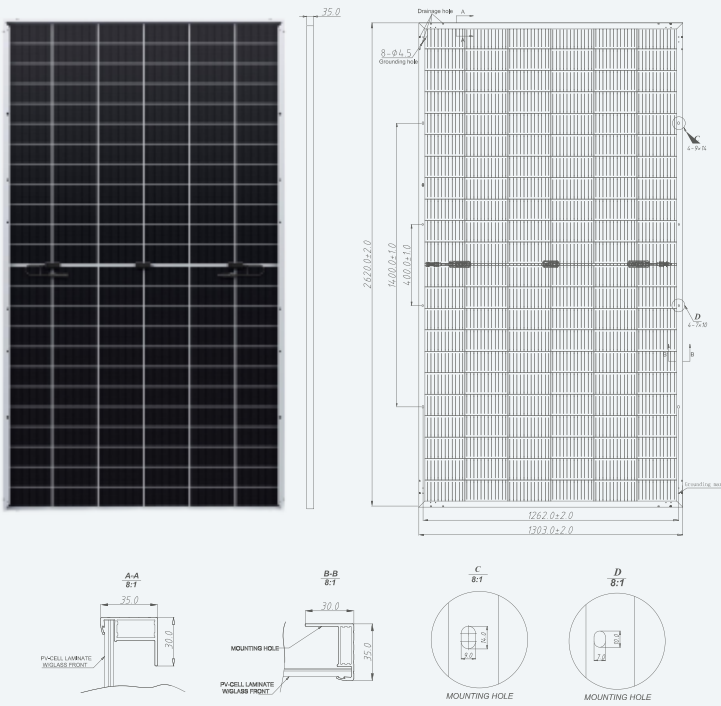


Solar power plants



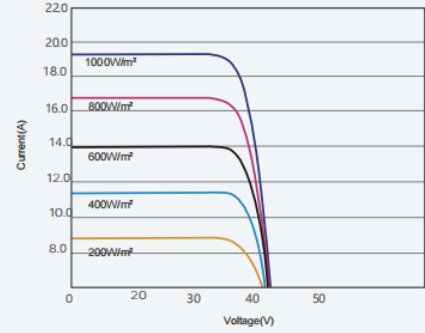
Off-grid systems

Engineering drawings



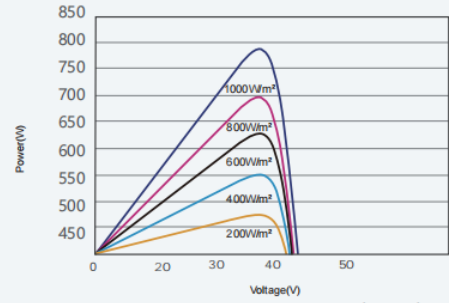
Electrical performance & temperature dependence

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
TESTING CONDITION ⁽¹⁾	STC ⁽²⁾ /NMOT	STC ⁽²⁾ /NMOT	STC ⁽²⁾ /NMOT	STC ⁽²⁾ /NMOT	STC ⁽²⁾ /NMOT
Maximum Power at STC (P _{max})	760Wp/575.81Wp	765Wp/579.60Wp	770Wp/583.4Wp	775Wp/587.21Wp	780Wp/590.49Wp
Maximum Power Voltage (V _{mp})	42.84V/40.21V	43.03V/40.39V	43.22V/40.57V	43.41V/40.75V	43.60V/40.92V
Max Power Current (I _{mp})	17.75A/14.32A	17.78A/14.35A	17.82A/14.38A	17.86A/14.41A	17.89A/14.43A
Open-circuit Voltage (V _{oc})	51.85V/49.53V	52.08V/49.75V	52.31V/49.97V	52.54V/50.20V	52.7V/50.35V
Short-circuit Current (I _{sc})	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 °C		-40°C ± ~ +85°C			
Maximum system voltage		1500V			
Maximum series fuse rating		30A			
Power tolerance		±5%			
Temperature coefficients of P _{max}		-0.29%/°C			
Temperature coefficients of V _{oc}		-0.25%/°C			
Temperature coefficients of I _{sc}		0.045%/°C			
Nominal operating cell temperature (NOCT)		45±2 °C			

Mechanical data

Cell type	HJT Technology (210x105mm)
No. of cells	144 (2X72)
Dimensions	2620x1303x35mm
Weight	44.5 KG
Front Glass	2.0mm AR Coating Semi-tempered glass
Back Glass	2.0mm AR Glazed Semi-tempered glass
Frame	Anodized Aluminium Alloy Silver Frame
Junction Box	IP68 Rated, 3 diodes
Output Cables	TUV: 1x4.0mm ² 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

(1) Measurement Tolerances: P_{max} (+/- 5%), I_{sc} & V_{oc} (+/- 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

STC/NMOT



Irradiance 1000W/m²



Module Temperature 25°C



AM = 1.5