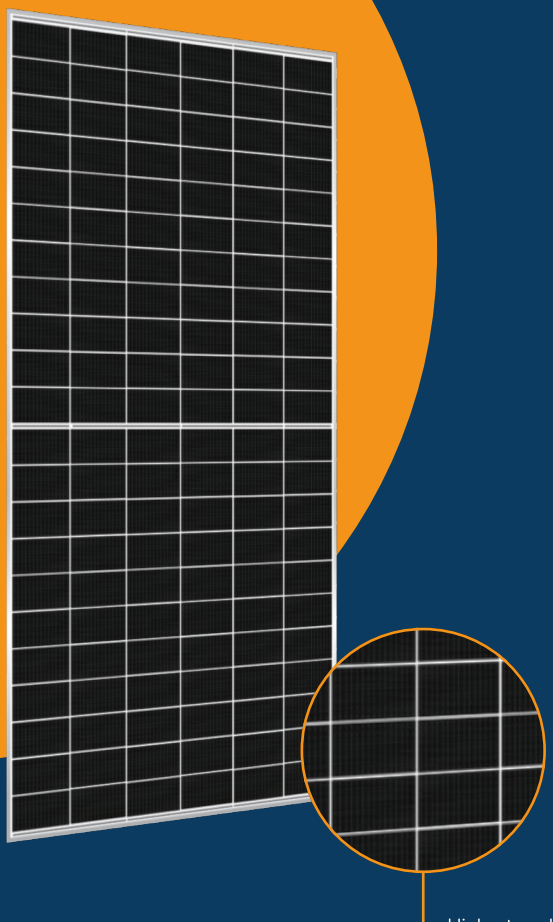
SUNGI solar



Highest quality with our cells.
18MBB Heterojunction Technology

BIFACIAL

680 - 700 Watt Silver Frame

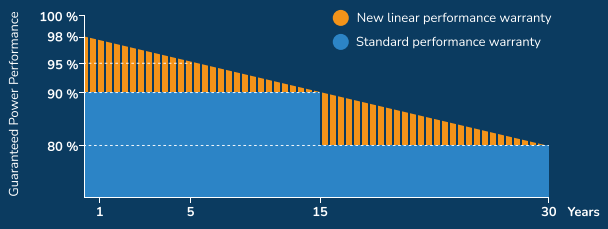
Key features

- 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 / 80%
- 25-year warranty on materials & workmanship
- Fire test: Class 1

Premium performance warranty



Applications

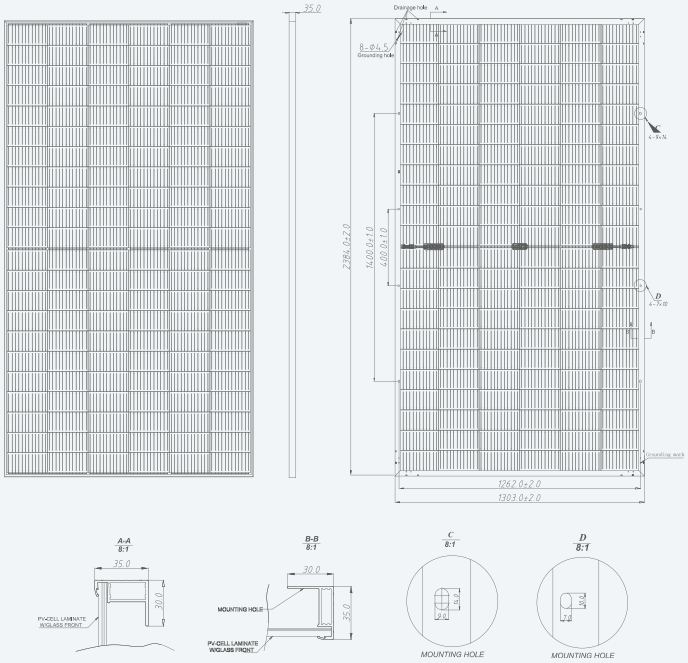
On-grid residential roof-tops

On-grid commercial-industrial roof-tops

Solar power plants

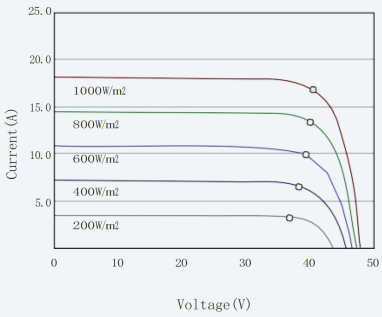
Off-grid systems

Engineering drawings

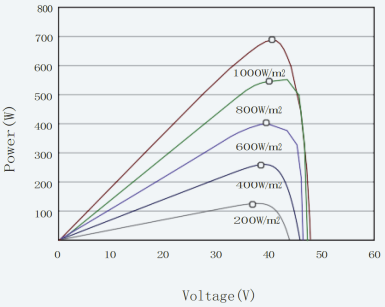


Electrical performance & temperature dependence

I-V CURVES of PV MODULE 695W



P-V CURVES of PV MODULE 695W



Electrical characteristics

Module Type	SNG680M-132	SNG685M-132	SNG690M-132	SNG695M-132	SNG700M-132
TESTING CONDITION(1)	**STC(2)/NMOT(3)**	**STC(2)/NMOT(3)**	**STC(2)/NMOT(3)**	**STC(2)/NMOT(3)**	**STC(2)/NMOT(3)**
Maximum Power at STC (Pmax)	680Wp/516Wp	685Wp/523Wp	685Wp/527Wp	695Wp/530Wp	700Wp/534Wp
Maximum Power Voltage (Vmp)	39.60V/37.10V	39.80V/37.30V	40.00V/37.50V	40.20V/37.30V	40.40V/37.90V
Maximum Power Current (Imp)	17.18A/13.92A	17.22A/14.01A	17.25A/14.04A	17.29A/14.07A	17.33A/14.10A
Open-circuit Voltage (Vac)	47.40V/44.90V	47.60V/45.10V	47.80V/45.30V	48.00V/45.50V	48.20V/45.70V
Short-circuit Current (Isc)	18.18A/14.65A	18.22A/14.68A	18.26A/14.71A	18.30A/14.74A	18.34A/14.77A
Module Efficiency (%)	21.89%	22.05%	22.21%	22.37%	22.53%
Operating Temperature 0C	-40°C± ~ +85°C				
Maximum system voltage	1500V DC				
Maximum series fuse rating	35 A				
Power tolerance	0±5%				
Temperature coefficients of Prnax	-0.43%°C				
Temperature coefficients of Vac	-0.30%°C				
Temperature coefficients of Isc	0.04%/°C				
Nominal operating cell temperature (NOCT)	45±2 °C				

Mechanical data

Cell type	Heterojunction Technology (210x210mm)
No. of cells	132 (6x22)
Dimensions	2384x1303x35mm
Weight	34.4 kg
Front Glass Back Glass	2.0mm AR Coating Semi-tempered glass 2.0mm AR Glazed Semi-tempered glass
Frame	Anodized Aluminium Alloy Silver Frame
Junction Box	IP68 Rated
Output Cables	Length Portrait:300/300mm (can be customized)
Connectors	Copper, Silver Plated, MC 4

Packaging configuration

Dimensions	35mm
No. of pieces per pallete	31
Total number of palletes	17
Module quantity per 40' container	527

(1) Measurement Tolerances: Pmax (+/- 5%), Isc & Voc (+/- 5%) - Power Classification 0/+5%
(2) STC (Standard Testing Condition): Irrandiance 1000w/m², Cell Temperature 25°C, AM 1.5
(3) NMOT (Nominal Operating Module Temperature): Irrandiance 800/m², NMOT. Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s

STC/NMOT Irradiance 1000W/m² / 800W/m² Module Temperature 25°C AM = 1.5