
**15** Years

 Product  
Warranty

**30** Years

 Linear Power  
Warranty

## High Efficiency **TOPCon** Module

# GSM-MT2/132-BTDG620

600W | 605W | 610W | 615W | 620W

**620W**

 Maximum  
Power Output

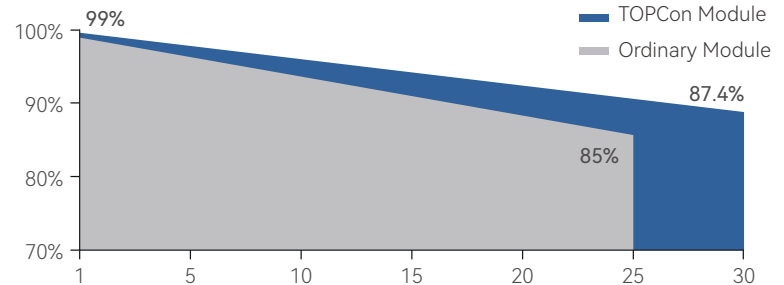
**22.95%**

 Maximum  
Efficiency

**85±5%**

Bifaciality

### Quality Assurance



### Product Features



#### SMBB Half Cell

Multi-busbar half-cell design, higher module efficiency and power output



#### G12R Cell / Module

Innovative rectangular silicon wafer, effectively reduced LCOE and improved ROI



#### High Reliability

Certified mechanical performance up to 5400 Pa positive load and 2400 Pa negative load, with better protection against harsh weather



#### High Energy Yield

Maximum Module Efficiency up to 22.95% achieved by mature mass production HJT cell technology



#### Better Warranty

Extremely low LID/PID in longer service life, less than 12.6% power degradation in 30 years



#### Higher Performance

Lower temperature coefficient and low operation temperature, resulting in better energy yield in all-weather

### Certificates



**Electrical Data(STC)**

Model	GSM-MT2/132-BTDG600	GSM-MT2/132-BTDG605	GSM-MT2/132-BTDG610	GSM-MT2/132-BTDG615	GSM-MT2/132-BTDG620
Pmax(Wp)	600	605	610	615	620
Voc(V)	48.29	48.49	48.69	48.89	49.08
Isc(A)	15.80	15.86	15.92	15.98	16.04
Vmpp(V)	40.11	40.28	40.46	40.64	40.81
Imp(A)	14.96	15.02	15.08	15.14	15.20
Efficiency	22.21%	22.40%	22.58%	22.77%	22.95%

STC: AM1.5 Irradiance: 1000W/m<sup>2</sup>, Temperature=25°C

**Electrical Characteristics(BSTC)**

Model	GSM-MT2/132-BTDG600	GSM-MT2/132-BTDG605	GSM-MT2/132-BTDG610	GSM-MT2/132-BTDG615	GSM-MT2/132-BTDG620
Pmax(Wp)	454	458	462	466	470
Voc(V)	44.89	45.09	45.27	45.46	45.63
Isc(A)	12.97	13.02	13.05	13.11	13.16
Vmpp(V)	37.21	37.37	37.54	37.70	37.86
Imp(A)	12.22	12.27	12.32	12.36	12.42

αIsc (%/K): 0.045; βVoc (%/K): -0.25; γPmp (%/K): -0.29

AM1.5, Front irradiance: 1000W/m<sup>2</sup>, Back Irradiance135W/m<sup>2</sup>, Temperature=25°C, Wind speed=1m/s

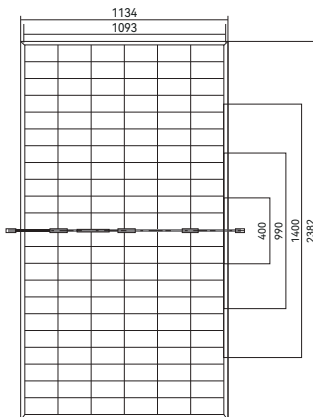
**Mechanical Data**

Cell(mm)	182×105 All Dimensions
Weight(kg)	34.6±0.5kg
Dimension(L×W×H)(mm)	2382×1134×30 mm
Cable(mm)	4mm <sup>2</sup> , 300mm (customized length based on needs)
Frame	Anodized aluminum
Junction Box	IP68, 1500VDC, 3Diodes
Packaging configuration (40' Container; 17.5' Trailer)	720pcs/40'HQ; 720pcs/13'Trailer; 864pcs/17.5'Trailer

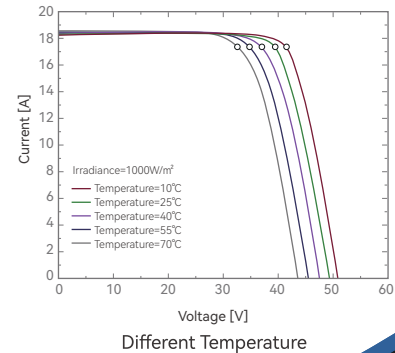
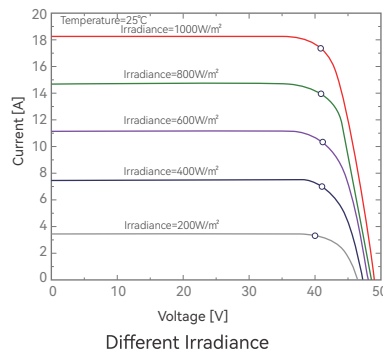
**Working Condition**

Maximum System Voltage	1500VDC
Operating Temperature	-40°C ~ +85°C
Maximum Fuse Rating	30A
Rear Side Mechanical Load	2400Pa
Front Side Mechanical Load	5400Pa
NOCT	44±2°C
Safety Rating	Class II
Grounding Electric Conductivity	< 0.1Ω

**Dimensions (mm)**



**I-V Diagram**



\*If the data is subject to change, the latest release shall prevail.

