

15 Years

Product
Warranty

30 Years

Linear Power
Warranty

High Efficiency **TOPCon** Module

GSM-MT3/132-BTDG710

690W | 695W | 700W | 705W | 710W

710W

Maximum
Power Output

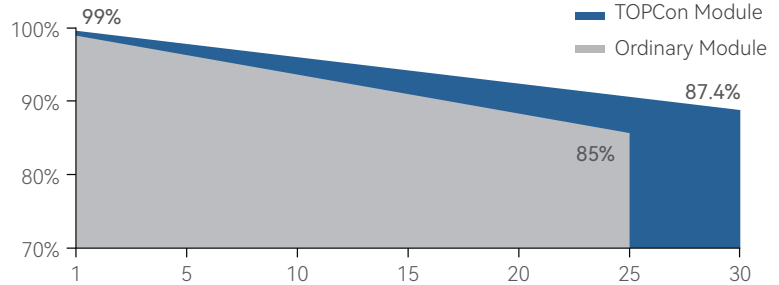
22.86%

Maximum
Efficiency

85±5%

Bifaciality

Quality Assurance



Product Features



SMBB Half Cell

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



G12 Cell / Module

G12 size wafer, applicable to multiple scenarios



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 22.86% 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-MT3/132-BTDG690	GSM-MT3/132-BTDG695	GSM-MT3/132-BTDG700	GSM-MT3/132-BTDG705	GSM-MT3/132-BTDG710
Pmax(Wp)	690	695	700	705	710
Voc(V)	47.12	47.26	47.30	47.35	47.40
Isc(A)	18.12	18.17	18.22	18.26	18.31
Vmpp(V)	40.39	40.56	40.71	40.85	41.02
Imp(A)	17.09	17.14	17.20	17.27	17.32
Efficiency	22.21%	22.38%	22.54%	22.70%	22.86%

 STC: AM1.5 Irradiance: 1000W/m², Temperature=25°C

Electrical Characteristics(NOCT)

Model	GSM-MT3/132-BTDG690	GSM-MT3/132-BTDG695	GSM-MT3/132-BTDG700	GSM-MT3/132-BTDG705	GSM-MT3/132-BTDG710
Pmax(Wp)	526	532	537	542	547
Voc(V)	47.12	47.26	47.30	47.35	47.40
Isc(A)	13.97	14.07	14.19	14.30	14.41
Vmpp(V)	40.39	40.56	40.71	40.85	41.02
Imp(A)	13.03	13.12	13.20	13.28	13.35

 $\alpha_{isc} (\%/K) : 0.045; \beta_{Voc} (\%/K) : -0.25; \gamma_{Pmp} (\%/K) : -0.29$

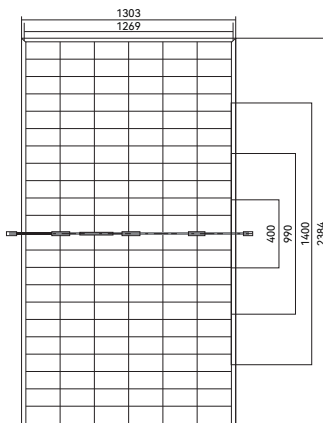
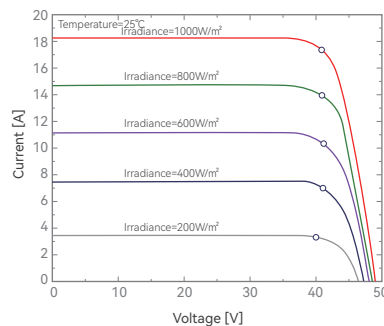
 AM1.5, irradiance: 800W/m², Temperature=25°C, Wind speed=1m/s

Mechanical Data

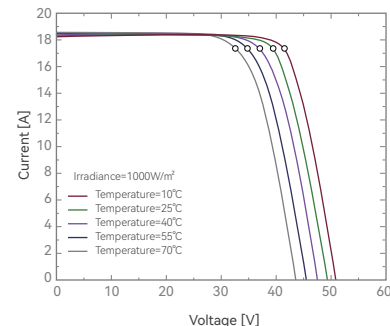
Cell	210×105 mm
Weight	38.5±0.5kg
Dimension	2384×1303×35 (33) mm
Cable	4mm ² , 300mm (customized length based on needs)
Frame	Anodized aluminum
Junction Box	IP68, 1500VDC, 3Diodes
Packaging configuration	31(33)pcs/pallet, 17pallets/container, 527(561)pcs/container; 40' Container; 17.5' Trailer
	24(23)pallet/Trailer, 744(759)pcs/Trailer

Working Condition

Maximum System Voltage	1500VDC
Operating Temperature	-40°C ~ +85°C
Maximum Fuse Rating	35A
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


Different Irradiance



Different Temperature

