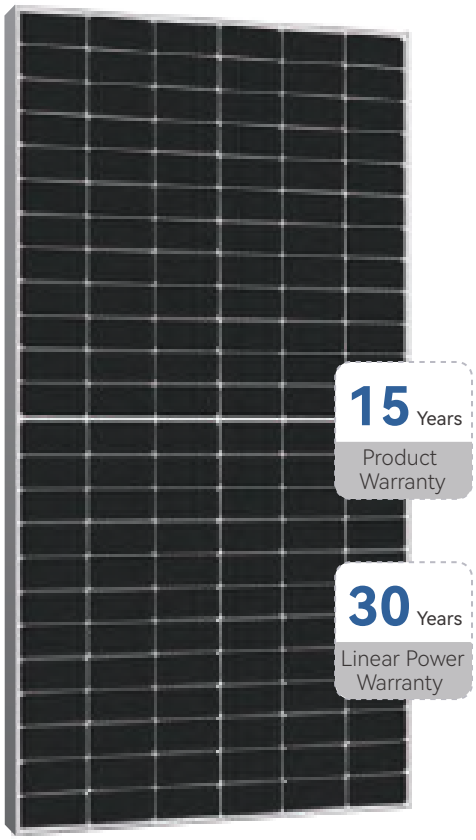
Grand Sunergy

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Add: South Side to Pengcheng Boulevard, Xuzhou, China



High Efficiency TOPCon Module

GSM-MT4/144-BTDG600

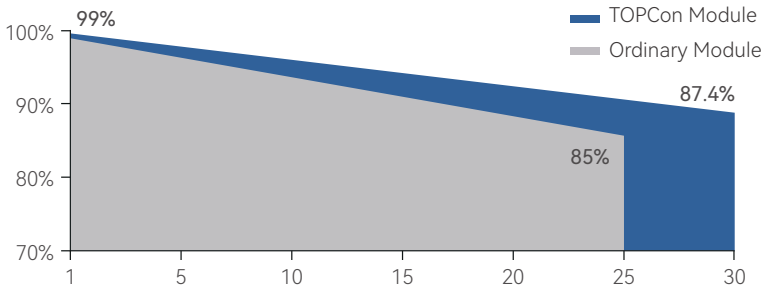
570W | 575W | 580W | 585W | 590W
595W | 600W

600W
Maximum Power Output

23.23%
Maximum Efficiency

85±5%
Bifaciality

Quality Assurance



Product Features

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

M10 Cell / Module
M10 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 23.23% achieved by mature mass production TOPCon 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

JP-AC

Grand Sunergy

GSM-MT4/144-BTDG 570-600 W

Electrical Data(STC)

Model	GSM-MT4/144 -BTDG570	GSM-MT4/144 -BTDG575	GSM-MT4/144 -BTDG580	GSM-MT4/144 -BTDG585	GSM-MT4/144 -BTDG590	GSM-MT4/144 -BTDG595	GSM-MT4/144 -BTDG600
Pmax(Wp)	570	575	580	585	590	595	600
Voc(V)	51.09	51.29	51.49	51.69	51.89	52.09	52.29
Isc(A)	14.23	14.29	14.35	14.41	14.47	14.53	14.59
Vmpp(V)	42.32	42.47	42.62	42.77	42.92	43.07	43.22
Impp(A)	13.47	13.54	13.61	13.68	13.75	13.82	13.89
Efficiency	22.07%	22.26%	22.45%	22.64%	22.83%	23.03%	23.23%

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

Electrical Characteristics(NOCT)

Model	GSM-MT4/144 -BTDG570	GSM-MT4/144 -BTDG575	GSM-MT4/144 -BTDG580	GSM-MT4/144 -BTDG585	GSM-MT4/144 -BTDG590	GSM-MT4/144 -BTDG595	GSM-MT4/144 -BTDG600
Pmax(Wp)	429	432	435	438	441	444	447
Voc(V)	48.53	48.72	48.91	49.10	49.29	49.48	49.67
Isc(A)	11.48	11.53	11.58	11.63	11.68	11.73	11.78
Vmpp(V)	39.67	39.81	39.93	40.02	40.11	40.20	40.29
Impp(A)	10.79	10.86	10.91	10.96	11.01	11.06	11.11

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

AM1.5, irradiance: 800W/m^2, Temperature=25℃, Wind speed=1m/s

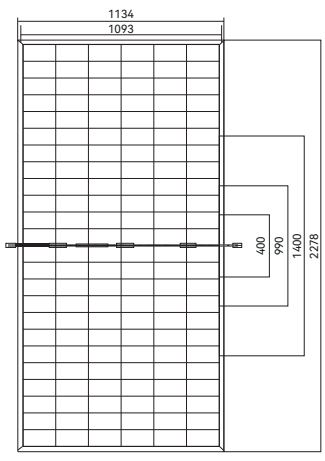
Mechanical Data

Cell	182 mm All dimensions
Weight	32±0.5kg
Dimension	2278×1134×30mm
Cable	4mm^2, 300mm (customized length based on needs)
Frame	Anodized aluminum
Junction Box	IP68, 1500VDC, 3Diodes
Packaging configuration (40'Container; 17.5'Trailer)	36pcs/pallet, 20pallets/container, 720pcs/container; 36pcs/pallet, 25pallet/Trailer,900pcs/Trailer

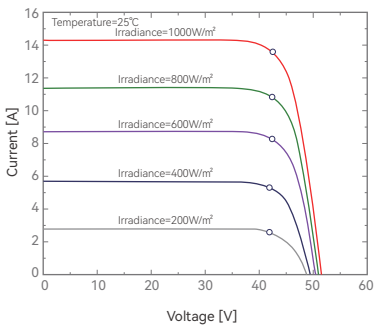
Working Condition

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

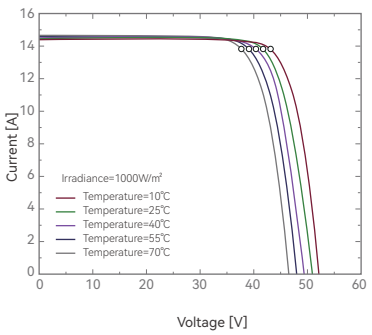
Dimensions (mm)



I-V Diagram



Different Irradiance



Different Temperature

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

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