

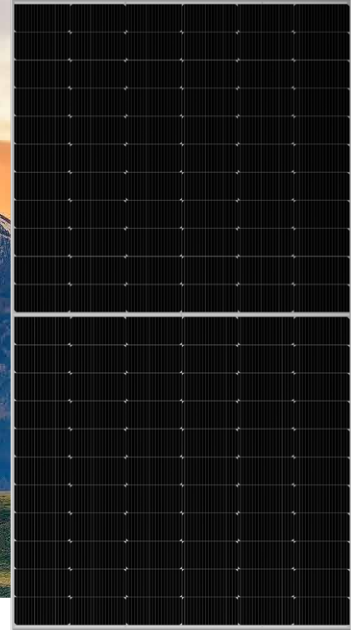


675-695W

G8T66B | 132-cell

Bifacial Dual Glass

18BB Half-cut TOPCon Cell



Product Warranty



Power Warranty

KEY FEATURES



18BB Cell

More uniform current collection capability, reducing the current heat loss of the internal cells.



Lower LCOE

2% more power generation, lower LCOE



IP68 Junction Box

High waterproof level



Significantly Lower the Risk of Hot Spot

Special circuit design with much lower hot spot temperature



Excellent Anti-PID Performance

2 times of industry standard Anti-PID test



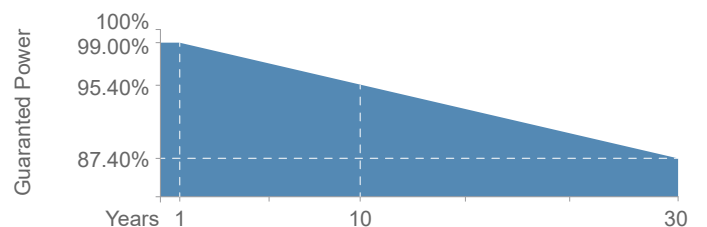
INTRODUCTION

SYSTEM & PRODUCT CERTIFICATES

- Manufacturer of crystalline silicon photovoltaic modules
- Fully automatic facility and world-class technology
- Rigorous quality control to meet the highest standard: ISO9001:2015, ISO14001: 2015 and ISO45001:2008
- Tested for harsh environments (salt mist, ammonia corrosion and sand blowing test: IEC 61701, IEC 62716)
- Long term reliability tests
- 2x100% EL inspection ensuring defect-free modules
- Fire class1 certificate for ITALY

PERFORMANCE WARRANTY

12 Years Product Warranty 30 Years Linear Power Warranty



Teton-G8T66B 675-695W

695W

Output

22.50%

Efficiency

≤1%

First Year Degradation

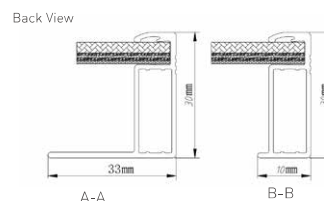
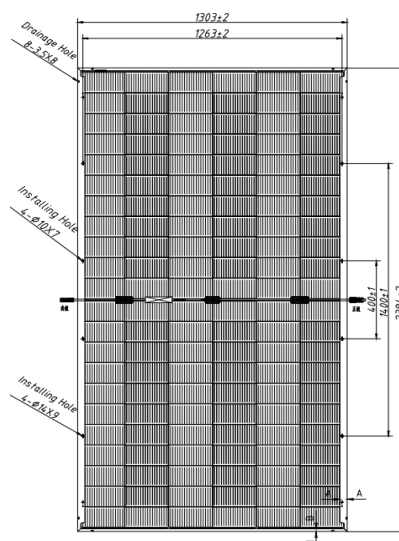
≤0.4%

Year 2-30 Power Degradation

Mechanical Characteristics

Cell Type	N-Type TOPCon Cell (18Busbar)
Dimension	2384×1303×35mm
Cell Dimension	210×91mm
Cell Amount	66×2 pcs
Weight	Approx 38.7kg
Junction Box	IP68
Frame	Anodized Aluminum
Glass	2.0, Anti-reflection coating glass 2.0, Hightransparency solar glass
Connector	MC4 Compatible or MC Compatible
Cable	4.0mm ² ,300mm

TECHNICAL DRAWING



Packing Configuration

Pieces Per Pallet	31 Pieces
Modules/40' Container	558 Pieces
Modules/17.5 Flatcar	713 Pieces

Electrical Characteristics (STC: AM1.5 1000W/m² 25°C NOCT: AM1.5 800W/m² 20°C 1m/s)

Model	G8T66B-675W		G8T66B-680W		G8T66B-685W		G8T66B-690W		G8T66B-695W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	675	510	680	514	685	518	690	522	695	524
Operating Voltage (Vmpp/V)	39.00	36.90	39.20	37.10	39.40	37.20	39.60	37.40	39.80	37.60
Operating Current (Impp/A)	17.31	13.84	17.35	13.88	17.39	13.91	17.43	13.94	17.47	13.97
Open-circuit Voltage (Voc/V)	46.90	44.40	47.10	44.60	47.30	44.80	47.50	45.00	47.70	45.20
Short-circuit Current (Isc/A)	18.24	14.71	18.29	14.75	18.34	14.79	18.39	14.83	18.44	14.87
Modules Efficiency (%)	21.70		21.90		22.10		22.30		22.50	

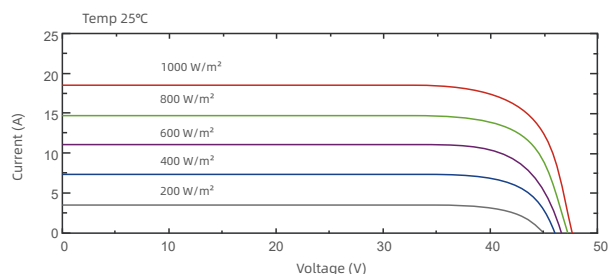
Temperature Ratings

NMOT	44±2°C
Temp Coefficient of ISC	+ 0.046%/°C
Temp Coefficient of VOC	- 0.250%/°C
Temp Coefficient of PMAX	- 0.300%/°C
Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Max Series Fuse Rating	35A

Optional

Connector	Original MC
Cable Length	1200mm
Frame	Black
Backsheet	Black

I-V Cure at Different Temperature [690W]



I-V / P-V Cure at Different Irradiation [690W]

