



460-480W

G7T60MBB | 120-cell

Mono-facial Full Black with Black Backsheet
16BB Half-cut TOPCon Cell



12 years
Product Warranty

25 years
Power Warranty

KEY FEATURES



16BB 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



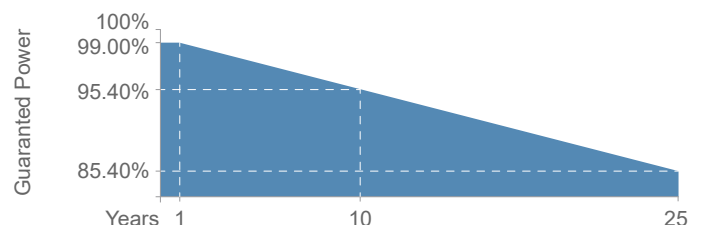
INTRODUCTION

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

15 Years Product Warranty **25** Years Linear Power Warranty



Teton-G7T60MBB 460-480W

480W

Output

22.20%

Efficiency

≤1%

First Year Degradation

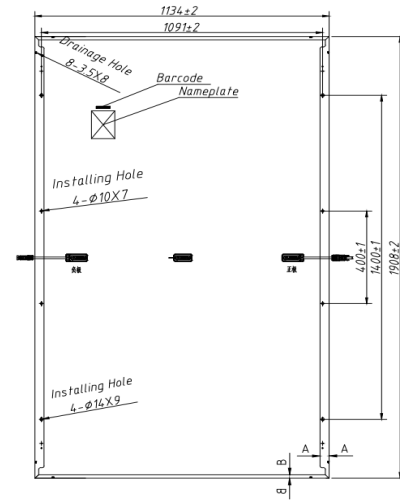
≤0.56%

Year 2-25 Power Degradation

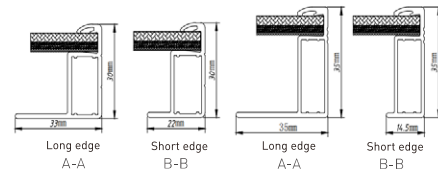
Mechanical Characteristics

Cell Type	N-Type TOPCon Cell (16Busbar)
Dimension	1908×1134×30/35mm
Cell Dimension	182×91mm
Cell Amount	60×2 pcs
Weight	Approx 23.7/24.0kg
Junction Box	IP68
Frame	Anodized Aluminum
Front Side Glass	3.2, Anti-reflection coating glass
Connector	MC4 Compatible or MC Compatible
Cable	4.0mm ² ,300mm

TECHNICAL DRAWING



Back View



Packing Configuration

Pieces Per Pallet	36/31 Pieces
Modules/40' Container	864/744 Pieces
Modules/17.5 Flatcar	1188/1116 Pieces

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

Model	G7T60MBB-460W		G7T60MBB-465W		G7T60MBB-470W		G7T60MBB-475W		G7T60MBB-480W	
	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)	460	346	465	350	470	353	475	357	480	361
Operating Voltage (Vmpp/V)	34.73	32.60	34.89	32.77	35.05	32.94	35.21	33.10	35.38	33.27
Operating Current (Impp/A)	13.25	10.61	13.33	10.67	13.41	10.73	13.49	10.79	13.57	10.85
Open-circuit Voltage (Voc/V)	42.06	39.94	42.22	40.10	42.38	40.25	42.54	40.41	42.71	40.57
Short-circuit Current (Isc/A)	13.99	11.29	14.07	11.36	14.15	11.42	14.23	11.49	14.31	11.55
Modules Efficiency (%)	21.40		21.60		21.80		22.00		22.20	

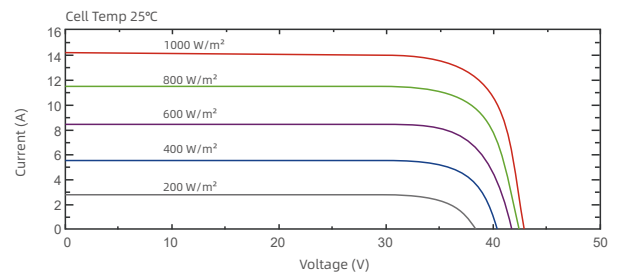
Temperature Ratings

NMOT	44±2°C
Temp Coefficient of ISC	+ 0.046%/°C
Temp Coefficient of VOC	- 0.25%/°C
Temp Coefficient of PMAX	- 0.30%/°C
Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Max Series Fuse Rating	25A

Optional

Connector	Original MC
Cable Length	1200mm
Frame	Silver
Backsheet	White

I-V Curve at Different Temperature [480W]



I-V / P-V Curve at Different Irradiation [480W]

