

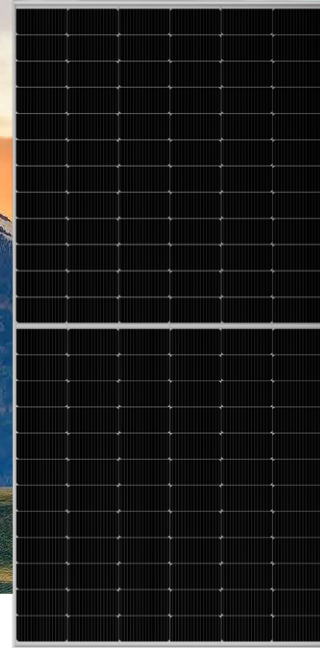


560-580W

G7T72B | 144-cell

Bifacial Dual Glass

16BB Half-cut TOPCon Cell



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



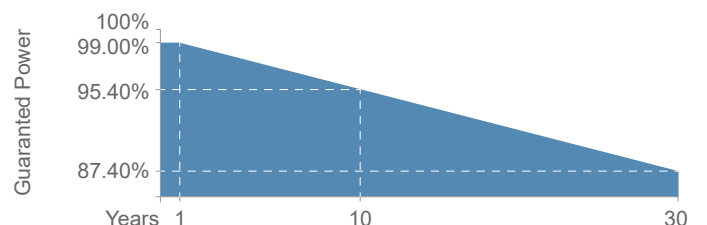
INTRODUCTION

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

12 Years Product Warranty 30 Years Linear Power Warranty



Teton-G7T72B 560-580W

580W

Output

22.50%

Efficiency

≤1%

First Year Degradation

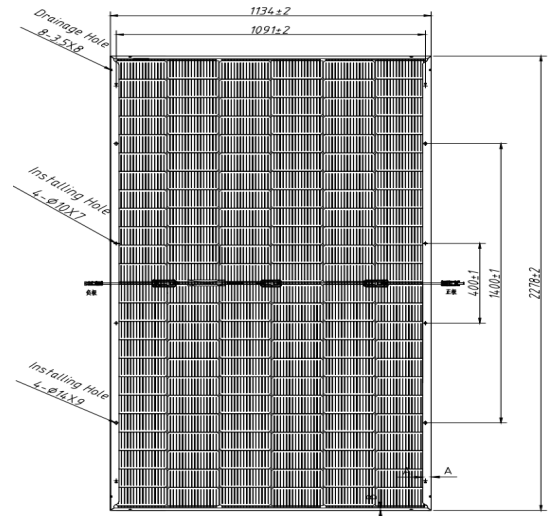
≤0.4%

Year 2-30 Power Degradation

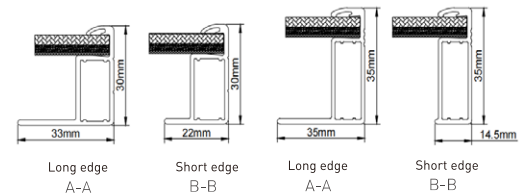
Mechanical Characteristics

Cell Type	N-Type TOPCon Cell (16BusBar)
Dimension	2278×1134×30/35mm
Cell Dimension	182×91mm
Cell Amount	72×2 pcs
Weight	Approx 32.0/32.3kg
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



Back View



Packing Configuration

Pieces Per Pallet	36/31 Pieces
Modules/40' Container	684/620 Pieces
Modules/17.5 Flatcar	864/868 Pieces

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

Model	G7T72B-560W		G7T72B-565W		G7T72B-570W		G7T72B-575W		G7T72B-580W	
	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)	560	425	565	429	570	432	575	436	580	440
Operating Voltage (Vmpp/V)	41.95	39.38	42.14	39.51	42.29	39.60	42.44	39.69	42.59	39.81
Operating Current (Impp/A)	13.35	10.79	13.41	10.85	13.48	10.92	13.55	10.99	13.62	11.05
Open-circuit Voltage (Voc/V)	50.67	48.06	50.87	48.20	51.07	48.33	51.27	48.46	51.47	48.60
Short-circuit Current (Isc/A)	14.13	11.49	14.19	11.55	14.25	11.62	14.31	11.68	14.37	11.75
Modules Efficiency (%)	21.7		21.90		22.10		22.30		22.50	

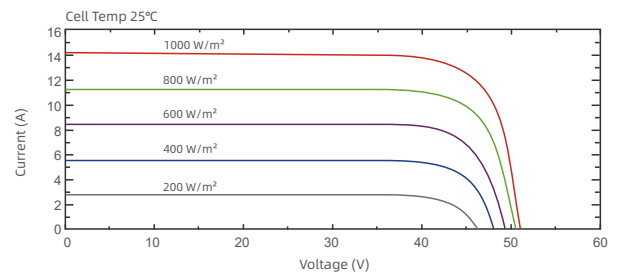
Temperature Ratings

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	25A

Optional

Connector	Original MC
Cable Length	1200mm
Frame	Black
Backsheet	Black

I-V Cure at Different Temperature [570W]



I-V / P-V Cure at Different Irradiation [570W]

