



# 615-635W

G8T60B| 120-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



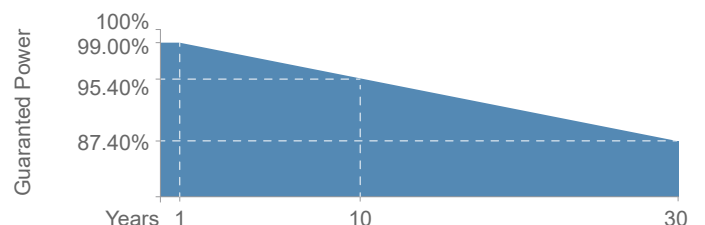
## INTRODUCTION

### 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-G8T60B 615-635W

**635W**

Output

**22.60%**

Efficiency

**≤1%**

First Year Degradation

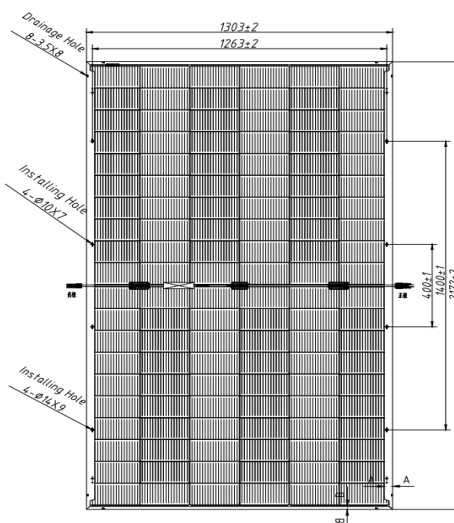
**≤0.4%**

Year 2-30 Power Degradation

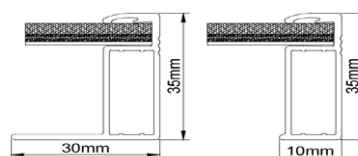
## Mechanical Characteristics

Cell Type	N-Type TOPCon Cell (18Busbar)
Dimension	2172×1303×35mm
Cell Dimension	210×91mm
Cell Amount	60×2 pcs
Weight	Approx 35.3kg
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 <sup>2</sup> ,300mm

## TECHNICAL DRAWING



Back View



## Packing Configuration

Pieces Per Pallet	31 Pieces
Modules/40' Container	558 Pieces
Modules/17.5 Flatcar	868 Pieces

## Electrical Characteristics (STC: AM1.5 1000W/m<sup>2</sup> 25°C NOCT: AM1.5 800W/m<sup>2</sup> 20°C 1m/s)

Model	G8T60B-615W		G8T60B-620W		G8T60B-625W		G8T60B-630W		G8T60B-635W	
	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)	615	465	620	469	625	473	630	476	635	480
Operating Voltage (Vmpp/V)	35.50	33.60	35.70	33.80	35.90	33.90	36.10	34.10	36.30	34.30
Operating Current (Impp/A)	17.33	13.86	17.37	13.89	17.41	13.93	17.46	13.96	17.50	13.99
Open-circuit Voltage (Voc/V)	42.70	40.40	42.90	40.60	43.10	40.80	43.30	41.00	43.50	41.20
Short-circuit Current (Isc/A)	18.26	14.72	18.31	14.77	18.36	14.81	18.41	14.85	18.46	14.89
Modules Efficiency (%)	21.80		22.00		22.20		22.40		22.60	

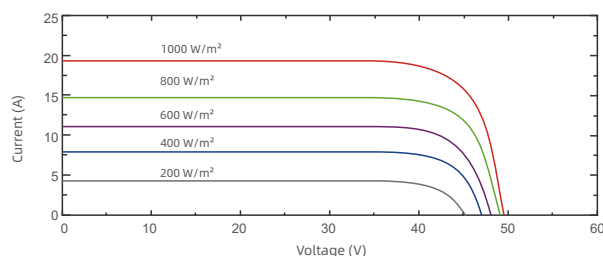
## Temperature Ratings

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 Curve at Different Temperature [630W]



## I-V / P-V Curve at Different Irradiation [630W]

