



# 410-430W

G7T54B | 108-cell

Bifacial Dual Glass

16BB Half-cut TOPCon Cell



Product Warranty



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



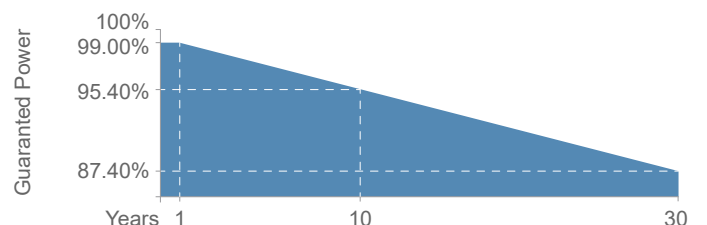
## INTRODUCTION

### 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

12 Years Product Warranty    30 Years Linear Power Warranty



# Teton-G7T54B 410-430W

**430W**

Output

**22.00%**

Efficiency

**≤1%**

First Year Degradation

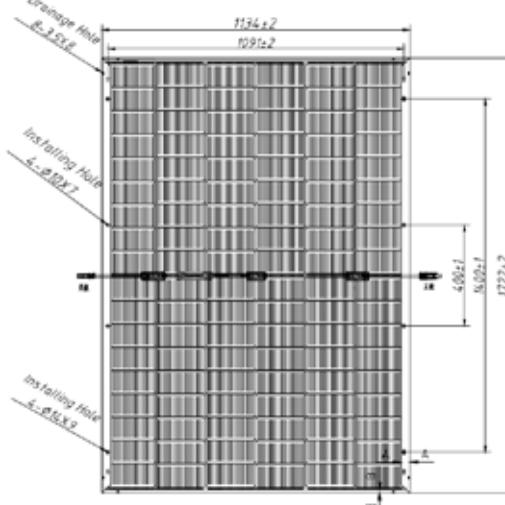
**≤0.40%**

Year 2-30 Power Degradation

## Mechanical Characteristics

Cell Type	N-Type TOPCon Cell (16Busbar)
Dimension	1722×1134×30/35mm
Cell Dimension	182×91mm
Cell Amount	54×2 pcs
Weight	Approx 25.8/26.1kg
Junction Box	IP68
Frame	Anodized Aluminum
Glass	Front Glass 2.0mm, Anti-reflection coating glass Back Glass 2.0mm, Hightransparency solar glass
Connector	MC4 Compatible or MC Compatible
Cable	4.0mm <sup>2</sup> ,300mm

## TECHNICAL DRAWING



## Packing Configuration

Pieces Per Pallet	36/31 Pieces
Modules/40' Container	828/806 Pieces
Modules/17.5 Flatcar	1080/1085 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	G7T54B-410W		G7T54B-415W		G7T54B-420W		G7T54B-425W		G7T54B-430W	
	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)	410	308	415	312	420	316	425	320	430	324
Operating Voltage (Vmpp/V)	31.13	29.06	31.32	29.21	31.51	29.34	31.70	29.50	31.88	29.66
Operating Current (Impp/A)	13.19	10.61	13.26	10.68	13.33	10.76	13.41	10.83	13.49	10.93
Open-circuit Voltage (Voc/V)	37.73	35.84	37.92	36.02	38.11	36.20	38.30	36.38	38.49	36.56
Short-circuit Current (Isc/A)	13.91	11.23	13.99	11.29	14.07	11.36	14.15	11.42	14.23	11.49
Modules Efficiency (%)	21.10		21.30		21.50		21.80		22.00	

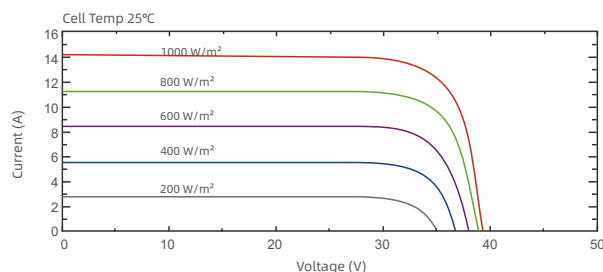
## Temperature Ratings

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
Glass	White

## I-V Cure at Different Temperature [430W]



## I-V / P-V Cure at Different Irradiation [430W]

