570-590W

G7T72B | 144-cell

Bifacial Dual Glass
16BB Half-cut N-type

12 years Product Warranty

30 years Power Warranty

KEY FEATURES

16BB Half-cut Cell Technology

Lower LID/LeTID degradation and better low light performance
Attenuation ≤1%(1st year) / ≤0.4% (Linear)

Wider Application

No water-permeability and high wear-resistance,
can be widely used in high-humid, windy and dusty area

IP68 Junction Box

High waterproof level

Industry Leading High Yield

Bifacial TOPCon cell technology,
Dual-sided power generation gain from back side depending on albedo, significantly reduce LCOE

Excellent Anti-PID Performance

192 hours Anti-PID test

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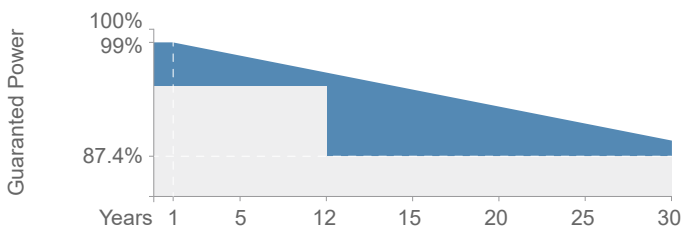
INTRODUCTION

SYSTEM & PRODUCT CERTIFICATES

- IEC 61215 / IEC 61730 / UL 61730
- ISO 9001: 2015 Quality Management System
- ISO 14001: 2015 Environment Management System
- ISO 45001: 2018 Occupational Health and Safety Management Systems

PERFORMANCE WARRANTY

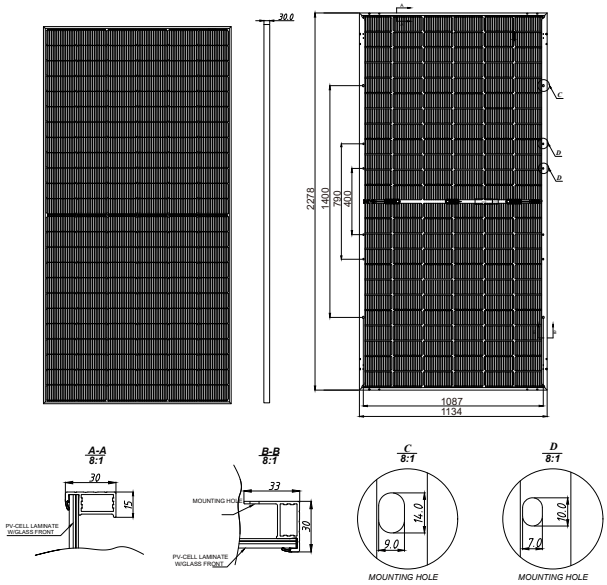
12 Years Product Warranty **30** Years Linear Power Warranty



Sunvitor-G7T72B 570-590W

590W	22.50%	≤1%	≤0.4%
Output	Efficiency	First Year Degradation	Year 2-30 Power Degradation

TECHNICAL DRAWING



Mechanical Characteristics

Cell Type	N-Type Monocrystalline (16 BusBar)
Number of Cells	144 (6×24)
Dimensions	2278×1134×30mm
Weight	31.8kg
Front Glass	2.0mm AR Coating Semi-tempered Glass
Back Glass	2.0mm Glazed Semi-tempered Glass
Frame	Anodized Aluminum Alloy
Output Cables	4mm²(IEC), 12AWG(UL) 350mm(+),250mm(-)or Customized Length
Junction Box	IP68, 3 Bypass Diodes
Connector	T01/LJQ-3-CSY/MC4/MC4-EVO2
Packaging	36Pieces/Pallet, 720/576(UAS) Pieces /40'HQ

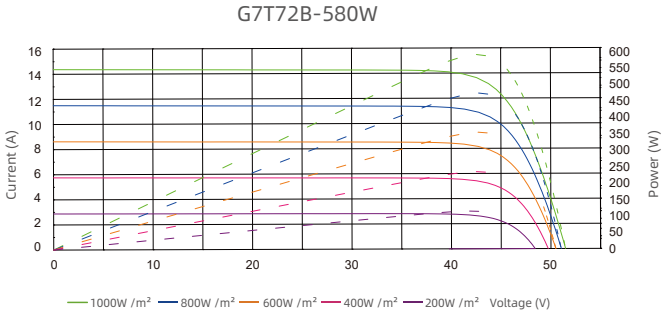
Electrical Characteristics (STC: AM1.5 1000W/m² 25℃ NOCT: AM1.5 800W/m² 20℃ 1m/s)

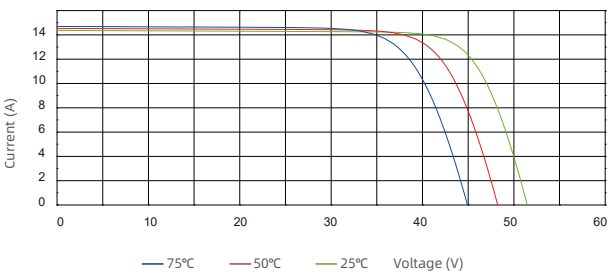
Model	G7T72B-570W		G7T72B-575W		G7T72B-580W		G7T72B-585W		G7T72B-590W	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	570	432	575	436	580	440	585	444	590	448
Operating Voltage (Vmpp/V)	43.62	41.20	43.83	41.40	44.02	41.60	44.22	41.80	44.43	42.00
Operating Current (Impp/A)	13.07	10.49	13.12	10.53	13.18	10.58	13.23	10.62	13.28	10.67
Open-circuit Voltage (Voc/V)	51.53	48.90	51.74	49.20	51.95	49.50	52.17	49.80	52.38	50.00
Short-circuit Voltage (Isc/A)	13.74	11.08	13.79	11.12	13.84	11.15	13.89	11.19	13.94	11.21
Modules Efficiency (%)	22.10		22.30		22.50		22.60		22.80	

Bifacial Output-Rearside Power Gain (580W)

Power Gain	5%	10%	15%	20%	25%
Pmax /W	609	638	667	696	725
Vmpp /V	42.66	42.66	42.66	42.66	42.66
Impp /A	14.28	14.96	15.64	16.32	16.99
Voc /V	51.47	51.47	51.47	51.47	51.47
Isc /A	14.96	15.68	16.39	17.10	17.81

I-V Characteristics





Operating Conditions

Maximum System Voltage	1500V/DC
Operating Temperature	-40℃~+85℃
Maximum Series Fuse Rating	30A
Mechanical Load Front Side	5400Pa
Mechanical Load Back Side	2400Pa
Nominal operating cell temperature	43±2℃
Bifaciality	80%±5%

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