



# 530-550W

G7P72B-U | 144-cell

Bifacial Dual Glass

10BB Half-cut Mono Perc



Product Warranty



Power Warranty

## KEY FEATURES



### 10BB Cell

New circuit design, lower internal current, lower Rs loss Ga dopped wafer, attenuation < 2% (1st year) / ≤0.45% (Linear)



### 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



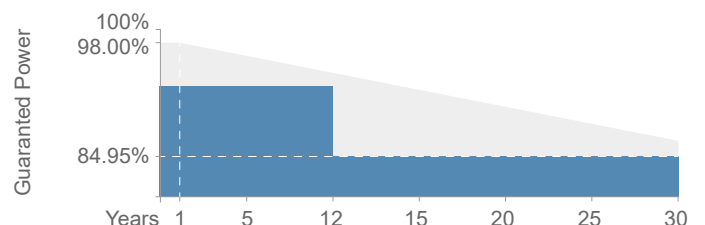
## INTRODUCTION

### SYSTEM & PRODUCT CERTIFICATES

- 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



**550W**

Output

**21.30%**

Efficiency

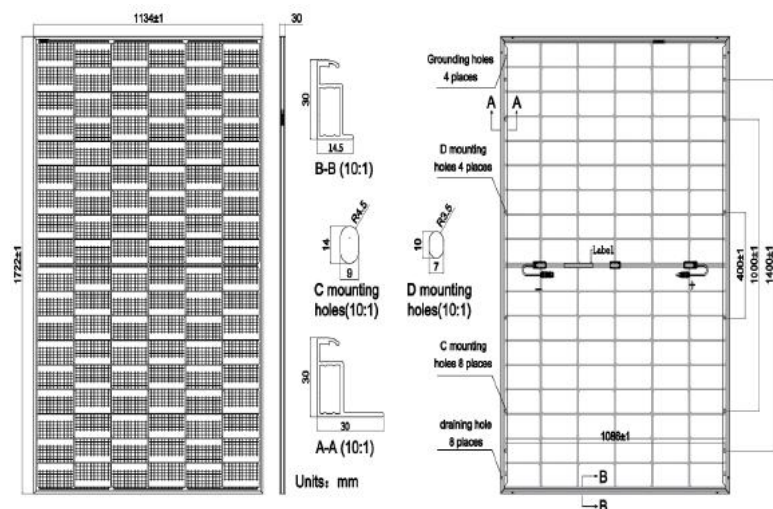
**≤2%**

First Year Degradation

**≤0.45%**

Year 2-30 Power Degradation

**TECHNICAL DRAWING**



**Mechanical Characteristics**

Cell Type	P-Type Perc 182 Cell (10 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	4mm <sup>2</sup> (IEC), 12AWG(UL) 350mm(+), 250mm(-) or Customized Length
Junction Box	IP68, 3 Bypass Diodes
Connector	T01/LJQ-3-CSY/MC4/MC4-EVO2
Packaging	36 Pieces/Pallet, 720/576(USA) Pieces/40' container

**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	G7P72B-U-530W		G7P72B-U-535W		G7P72B-U-540W		G7P72B-U-545W		G7P72B-U-550W	
	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	530	395	535	398	540	402	545	406	550	410
Operating Voltage (Vmpp)/V	41.32	38.60	41.48	38.70	41.64	38.80	41.80	39.00	41.96	39.10
Operating Current (Impp)/A	12.83	10.24	12.90	10.30	12.97	10.36	13.04	10.41	13.11	10.47
Open-circuit Voltage (Voc)/V	49.32	46.40	49.46	46.50	49.60	46.70	49.76	46.80	49.92	47.00
Short-circuit Voltage (Isc)/A	13.72	11.06	13.79	11.12	13.86	11.17	13.93	11.23	14.00	11.28
Modules Efficiency (%)	20.50		20.70		20.90		21.10		21.30	

**Bifacial Output-Rearside Power Gain (530W)**

Power Gain	5%	10%	15%	20%	25%
Maximum Power (Pmax)[W]	557	583	610	636	663
Open-Circuit Voltage (Voc)[V]	49.32	49.32	49.32	49.32	49.32
Maximum Power Voltage (Vmp) [V]	41.32	41.32	41.32	41.32	41.32
Short-Circuit Current (Isc)[A]	14.41	15.09	15.78	16.46	17.15
Maximum Power Current (Imp) [A]	13.47	14.11	14.75	15.40	16.04

**Operating Conditions**

Maximum System Voltage	1500V/DC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	30A
Mechanical Load Front Rear	5400Pa
Mechanical Load Back Rear	2400Pa
Nominal operating cell temperature	43±2°C
Bifaciality	70±5%

**I-V Characteristics**

