



395-415W

G7P54B | 108-cell

Bifacial Dual Glass

10BB Half-cut Mono Perc



Product Warranty



Power Warranty

KEY FEATURES



10BB 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



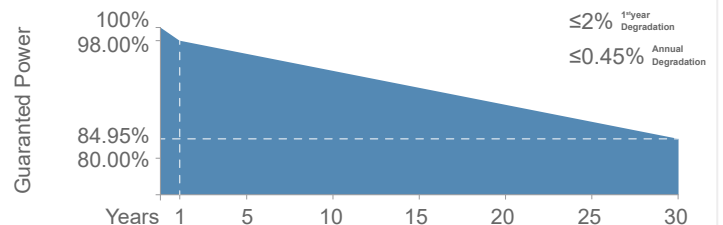
INTRODUCTION

SYSTEM & PRODUCT CERTIFICATES

- IEC61215
- IEC61730
- IEC61701
- IEC62716
- IEC60068
- ISO9001:2015:Quality Management System
- ISO14001:2015:Environment Management System
- ISO45001:2018:Occupational Health and Safety Management Systems

PERFORMANCE WARRANTY

15 Years Product Warranty 30 Years Linear Power Warranty



415W

Output

21.25%

Efficiency

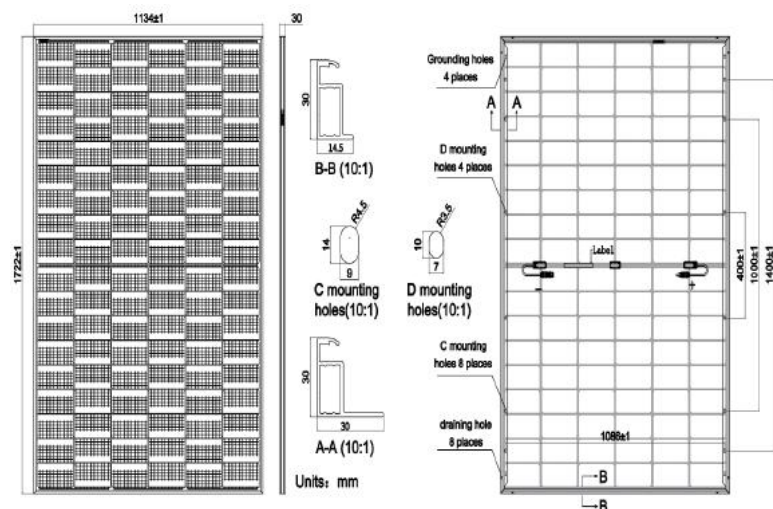
≤2%

First Year Degradation

≤0.45%

Year 2-25 Power Degradation

TECHNICAL DRAWING



Mechanical Characteristics

Cell Type	Mono PERC (M10)
Number of Cells	108(6×18)
Dimensions	1722×1134×30mm
Weight	22.0kg
Front Glass	2.0mm AR coated tempered glass
Back Glass	2.0mm glazed tempered glass
Frame	Sliver, Anodized Aluminum Alloy
Output Cables	300mm(including connector) or 1000mm (including connector) Customized Length
Junction Box	IP68 Rated, 3 diodes
Connector	MC4-EVO2 or MC4 Compatible
Packaging	36 Pieces/Pallet, 936 Pieces/40' container

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

Model	G7P54B-395W		G7P54B-400W		G7P54B-405W		G7P54B-410W		G7P54B-415W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	395	298	400	302	405	306	410	310	415	314
Operating Voltage (Vmpp/V)	30.84	29.08	31.01	29.27	31.21	29.49	31.45	29.72	31.61	29.89
Operating Current (Impp/A)	12.81	10.25	12.90	10.32	12.98	10.38	13.04	10.44	13.13	10.51
Open-circuit Voltage (Voc/V)	36.98	34.75	37.07	34.88	37.23	35.12	37.32	35.23	37.45	35.37
Short-circuit Voltage (Isc/A)	13.70	10.96	13.79	11.03	13.87	11.10	13.95	11.16	14.02	11.22
Modules Efficiency (%)	20.23		20.48		20.74		21.00		21.25	

Bifacial Output-Rearside Power Gain (410W)

Power Gain	5%	10%	15%	20%	25%
Maximum Power (Pmax)[W]	431	451	472	492	513
Open-Circuit Voltage (Voc)[V]	37.40	37.40	37.50	37.50	37.50
Maximum Power Voltage (Vmp) [V]	31.50	31.50	31.60	31.60	31.60
Short-Circuit Current (Isc)[A]	14.65	15.35	16.40	16.74	17.44
Maximum Power Current (Imp) [A]	13.70	14.54	15.18	15.81	16.47

Operating Conditions

Maximum System Voltage	1500V DE(IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	25A
Mechanical Load Front Rear	5400Pa(112lb/ft ²)
Mechanical Load Back Rear	2400Pa(50lb/ft ²)
Nominal operating cell temperature	45±2°C
Bifaciality	70±10%

I-V Characteristics

