



390-410W

G7P54MW | 108-cell

Mono-facial Module with White Backsheet
10BB Half-cut Mono Perc



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



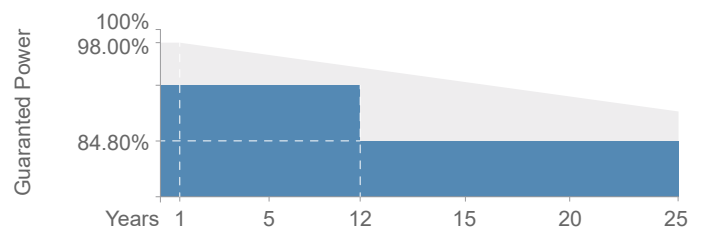
INTRODUCTION

SYSTEM & PRODUCT CERTIFICATES

- 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 25 Years Linear Power Warranty



Andes-G7P54MW 390-410W

410W

Output

20.40%

Efficiency

≤2%

First Year Degradation

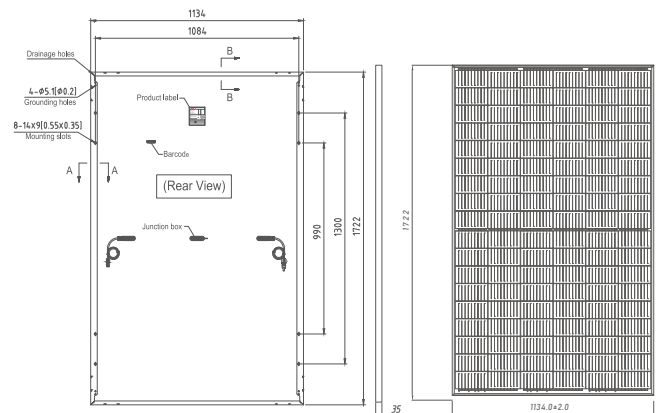
≤0.55%

Year 2-25 Power Degradation

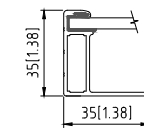
Mechanical Characteristics

Cell Type	P-Type Perc Cell
Dimension	1722×1134×35mm
Cell Dimension	182×91mm
Cell Amount	54×2 pcs
Weight	22.1kg
Junction Box	IP68
Frame	Anodized Aluminum Alloy
Front Side Glass	3.2mm AR Coating Tempered glass
Connector	MC4 Compatible
Cable	4mm ² , Cable length 350mm or customized length

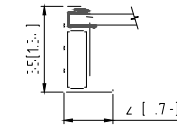
TECHNICAL DRAWING



Section A-A



Section B-B



Note mm[inch]

Packing Configuration

Pieces Per Pallet	31 Pieces
Modules/40' Container	806 Pieces

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

Model	G7P54MW-390W		G7P54MW-395W		G7P54MW-400W		G7P54MW-405W		G7P54MW-410W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (P _{max} /W)	390	294.9	395	298.6	400	302.3	405	306	410	309.6
Operating Voltage (V _{mpp} /V)	30.76	28.40	30.98	28.60	31.18	28.80	31.38	29.00	31.59	29.20
Operating Current (I _{mpp} /A)	12.69	10.38	12.76	10.44	12.83	10.50	12.91	10.56	12.98	10.62
Open-circuit Voltage (V _{oc} /V)	36.62	34.40	36.84	34.60	37.04	34.80	37.24	35.00	37.45	35.20
Short-circuit Voltage (I _{sc} /A)	13.59	10.93	13.66	10.98	13.73	11.04	13.81	11.10	13.88	11.16
Modules Efficiency (%)	19.90		20.20		20.50		20.70		21.00	

Application Conditions

NMOT	42±2°C
Temp Coefficient of ISC	+ 0.050%/°C
Temp Coefficient of VOC	- 0.304%/°C
Temp Coefficient of P _{MAX}	- 0.36%/°C
Operational Temperature	-40~+85°C
Maximum System Voltage	1500V/DC(IEC)
Max Series Fuse Rating	25A
Front Side Load	5400Pa
Back Side Load	2400Pa
Safety Class	Class II

I-V Characteristics

