



435-455W

G7P60MW | 120-cell

Mono-facial Module with White Backsheet
9/10BB Half-cut Mono Perc



Product Warranty



Power Warranty

KEY FEATURES



9/10BB 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



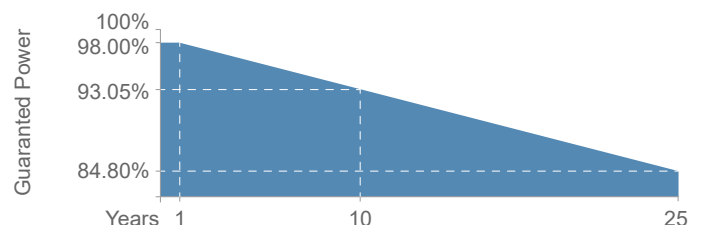
INTRODUCTION

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-G7P60MW 435-455W

455W

Output

21.20%

Efficiency

≤2%

First Year Degradation

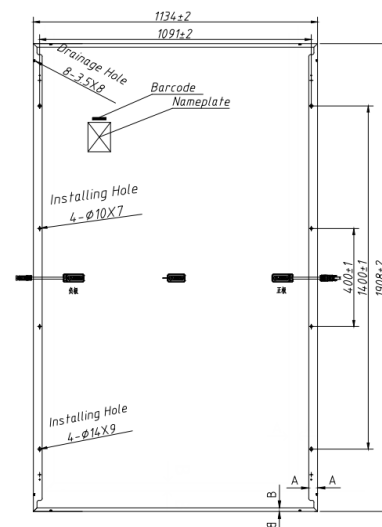
≤0.55%

Year 2-25 Power Degradation

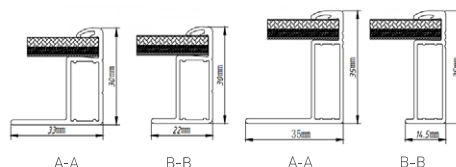
Mechanical Characteristics

Cell Type	P-Type Perc Cell (9/10Busbar)
Dimension	1908×1134×30/35mm
Cell Dimension	182×91mm
Cell Amount	60×2 pcs
Weight	Approx 23.7/24.0kg
Junction Box	IP68
Frame	Anodized Aluminum
Front Side Glass	3.2, Anti-reflection coating glass
Connector	MC4 Compatible or MC Compatible
Cable	4.0mm ² ,300mm

TECHNICAL DRAWING



Back View



Packing Configuration

Pieces Per Pallet	36/31 Pieces
Modules/40' Container	864/744 Pieces
Modules/17.5 Flatcar	1118/1116 Pieces

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

Model	G7P60MW-435W		G7P60MW-440W		G7P60MW-445W		G7P60MW-450W		G7P60MW-455W	
	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)	435	323	440	327	445	331	450	335	455	339
Operating Voltage (Vmpp/V)	33.63	31.78	33.72	31.83	33.82	31.87	33.91	31.92	34.06	31.97
Operating Current (Impp/A)	12.93	10.19	13.05	10.29	13.16	10.39	13.27	10.49	13.36	10.60
Open-circuit Voltage (Voc/V)	40.94	39.06	41.02	39.12	41.10	39.17	41.18	39.23	41.33	39.29
Short-circuit Current (Isc/A)	13.68	10.83	13.73	10.94	13.79	11.04	13.85	11.15	13.93	11.26
Modules Efficiency (%)	20.40		20.60		20.80		21.00		21.20	

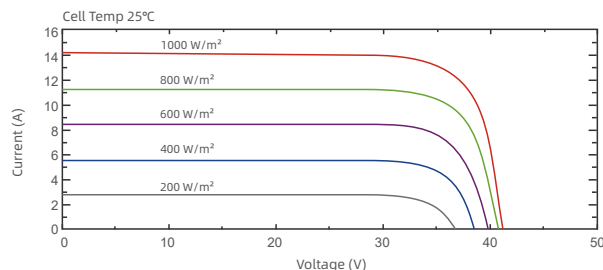
Temperature Ratings

NMOT	44±2°C
Temp Coefficient of ISC	+ 0.048%/°C
Temp Coefficient of VOC	- 0.27%/°C
Temp Coefficient of PMAX	- 0.35%/°C
Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Max Series Fuse Rating	25A

Optional

Connector	Original MC
Cable Length	1200mm
Frame	Black
Backsheet	Black

I-V Cure at Different Temperature [440W]



I-V / P-V Cure at Different Irradiation [440W]

