



655-675W

G8P66MW | 132-cell

Mono-facial Module with White Backsheet

12BB Half-cut Mono Perc



Product Warranty



Power Warranty

KEY FEATURES



12BB 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



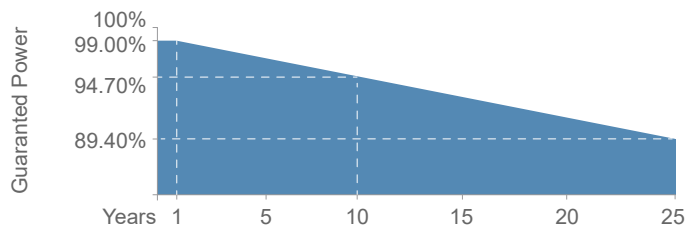
INTRODUCTION

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-G8P66MW 655-675W

675W

Output

21.7%

Efficiency

≤1%

First Year Degradation

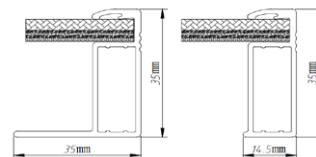
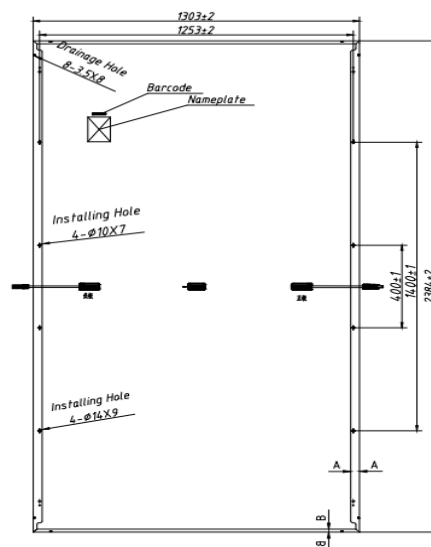
≤0.4%

Year 2-25 Power Degradation

Mechanical Characteristics

Cell Type	P-Type Perc Cell (12Busbar)
Dimension	2384×1303×35mm
Cell Dimension	210×91mm
Cell Amount	66×2 pcs
Weight	Approx 35.7kg
Junction Box	IP68
Frame	Anodized Aluminum
Front Side Glass	3.2 high transparency, anti reflection coated tempered glass
Connector	MC4 Compatible or MC Compatible
Cable	4.0mm ² ,300mm

TECHNICAL DRAWING



Packing Configuration

Pieces Per Pallet	31 Pieces
Modules/40' Container	558 Pieces
Modules/17.5 Flatcar	775 Pieces

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

Model	G8P66MW-655W		G8P66MW-660W		G8P66MW-665W		G8P66MW-670W		G8P66MW-675W	
	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)	655	496	660	500	665	504	670	509	675	513
Operating Voltage (Vmpp/V)	37.60	35.10	37.80	35.30	38.00	35.50	38.20	35.70	38.40	35.90
Operating Current (Impp/A)	17.42	14.13	17.46	14.18	17.50	14.22	17.54	14.27	17.58	14.31
Open-circuit Voltage (Voc/V)	45.40	42.80	45.60	43.00	45.80	43.20	46.00	43.40	46.20	43.60
Short-circuit Current (Isc/A)	18.50	14.88	18.55	14.92	18.60	14.96	18.65	15.00	18.70	15.04
Modules Efficiency (%)	21.00		21.20		21.40		21.50		21.70	

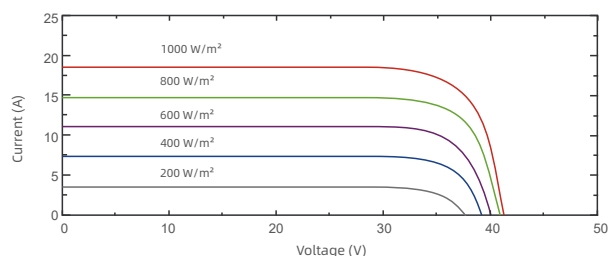
Temperature Ratings

NMOT	43±2°C
Temp Coefficient of ISC	+ 0.040%/°C
Temp Coefficient of VOC	- 0.250%/°C
Temp Coefficient of PMAX	- 0.340%/°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 Curve at Different Temperature [660W]



I-V / P-V Curve at Different Irradiation [660W]

