



# 655-675W

G8P66B-U | 132-cell

Bifacial Dual Glass

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



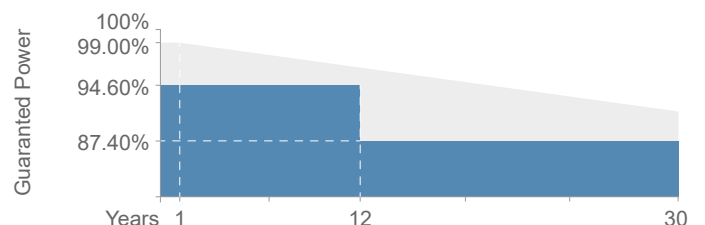
## INTRODUCTION

### 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    30 Years Linear Power Warranty



# Andes-G8P66B-U 655-675W

**675W**

Output

**21.70%**

Efficiency

**≤1%**

First Year Degradation

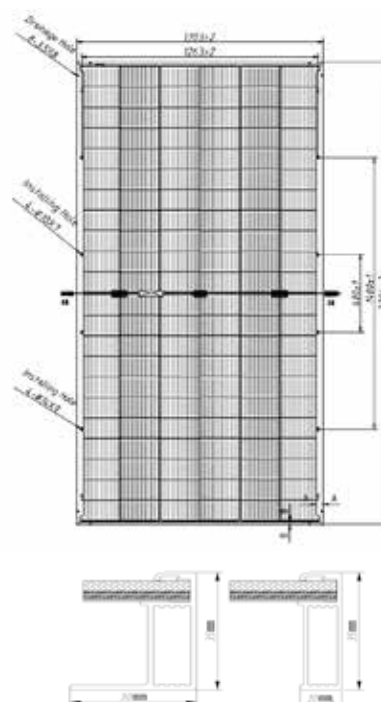
**≤0.4%**

Year 2-30 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 38.7kg
Junction Box	IP68
Frame	Anodized Aluminum
Glass	2.0mm Hightransparency,anti reflection coated tempered glass 2.0mm Hightransparency solar glass
Connector	MC4 Compatible or MC Compatible
Cable	4.0mm <sup>2</sup> ,300mm

## TECHNICAL DRAWING



## Packing Configuration

Pieces Per Pallet	31 Pieces
Modules/40' Container	558 Pieces
Modules/17.5 Flatcar	713 Pieces

## 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	G8P66B-U-655W		G8P66B-U-660W		G8P66B-U-665W		G8P66B-U-670W		G8P66B-U-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	

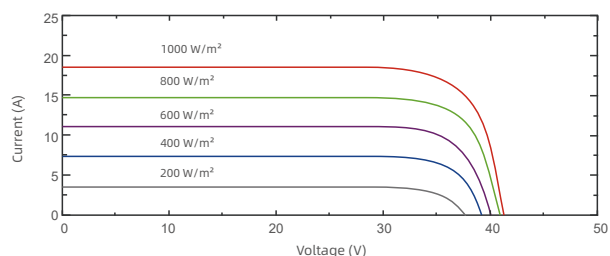
## Temperature Ratings

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	30A

## 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]

