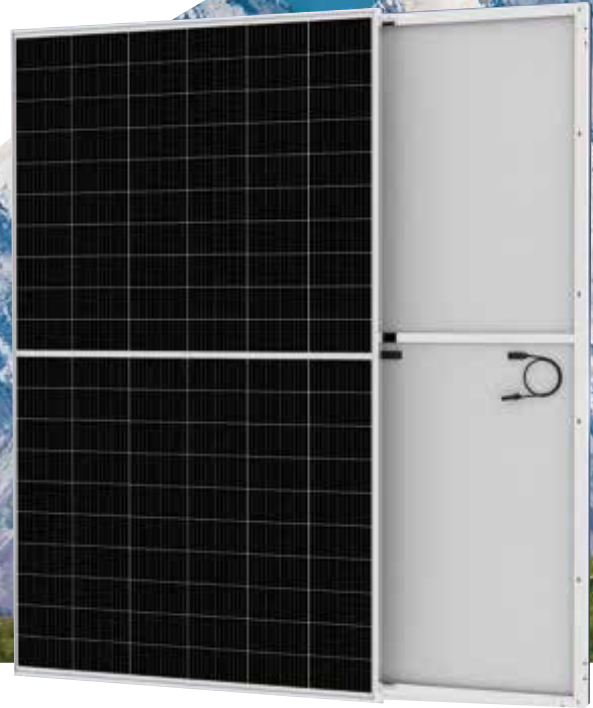




# 585-605W

G8P60MW | 120-cell

Monofacial 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



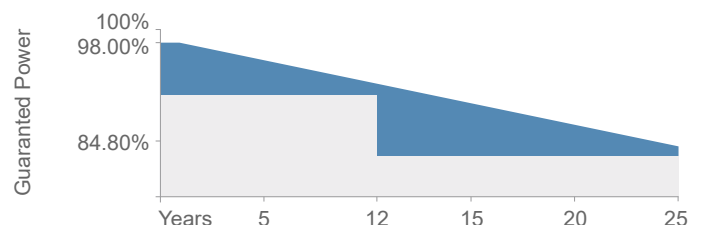
## INTRODUCTION

### SYSTEM & PRODUCT CERTIFICATES

- IEC 61215 / IEC 61730 / UL61730
- ISO 9001: 2015 Quality Management System
- ISO 14001:2015 Environment Management System
- ISO 45001: 2018 Occupational Health and Safety Management Systems

### PERFORMANCE WARRANTY

12 Years Product Warranty    25 Years Linear Power Warranty



# Andes-G8P60MW 585-605W

**605W**

Output

**21.40%**

Efficiency

**≤2%**

First Year Degradation

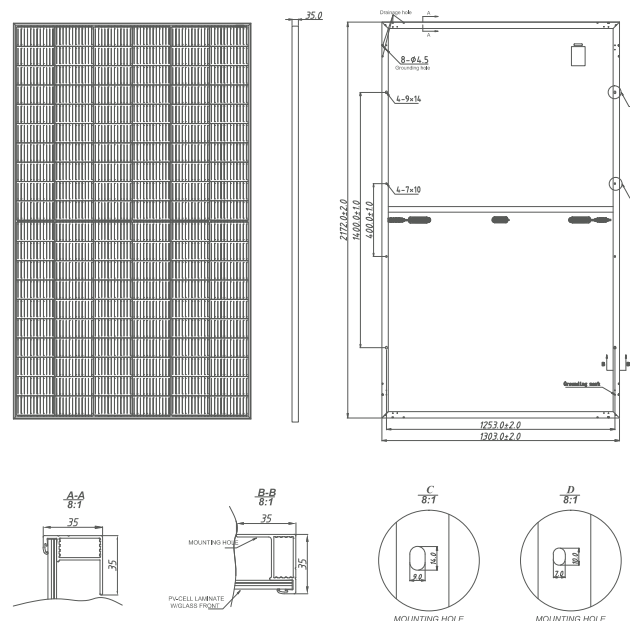
**≤0.55%**

Year 2-25 Power Degradation

## Mechanical Characteristics

Cell Type	Monocrystalline Silicon (12Busbar)
Dimension	2172×1303×35mm
Cell Dimension	210×91mm
Cell Amount	60×2 pcs
Weight	31.5kg
Junction Box	IP68
Frame	Anodized Aluminum Alloy
Cable	4.0mm <sup>2</sup> (IEC), 12AWG(UL) 300mm in Length or Customized Length
Connector	T01/LJQ-3-CSY/MC4/MC4-EVO2
Safety Protection Class	Class II

## TECHNICAL DRAWING



## Packing Configuration

Pieces Per Pallet	31	31 (USA)
Modules/40' Container	558	558

## 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	G8P60MW-585W		G8P60MW-590W		G8P60MW-595W		G8P60MW-600W		G8P60MW-605W	
	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)	585	437	590	441	595	444	600	448	605	452
Operating Voltage (Vmpp/V)	34.10	32.00	34.30	32.20	34.50	32.40	34.70	32.60	34.90	32.70
Operating Current (Impp/A)	17.16	13.65	17.21	13.69	17.25	13.72	17.30	13.77	17.34	13.80
Open-circuit Voltage (Voc/V)	41.00	38.70	41.20	38.90	41.40	39.10	41.60	39.30	41.80	39.40
Short-circuit Voltage (Isc/A)	18.25	14.72	18.30	14.75	18.34	14.78	18.39	14.82	18.43	14.85
Modules Efficiency (%)	20.70		20.80		21.00		21.20		21.40	

## Temperature Characteristics

NMOT	43±2°C
Temp Coefficient of ISC	+ 0.046%/°C
Temp Coefficient of VOC	- 0.25%/°C
Temp Coefficient of PMAX	- 0.34%/°C

## Application Conditions

Maximum System Voltage	1000V/1500V/DC
Fuse Current	30A
Operating Temperature	-40°C~+85°C
Mechanical Load (Front Side)	5400Pa
Mechanical Load (Back Side)	2400Pa

## I-V Characteristics

