Andes Series

GRAND MOUNTAIN

585-605W

G8P60B | 120-cell

Bifacial Dual Glass
12BB Half-cut Mono Perc

12 years Product Warranty

30 years Power Warranty

KEY FEATURES

12BB Cell
New circuit design, lower internal current, lower Rs loss Ga dopped wafer, attenuation ＜2% (1st year) / ≤0.45% (Linear)

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

c UL US LISTED CE DEKRA

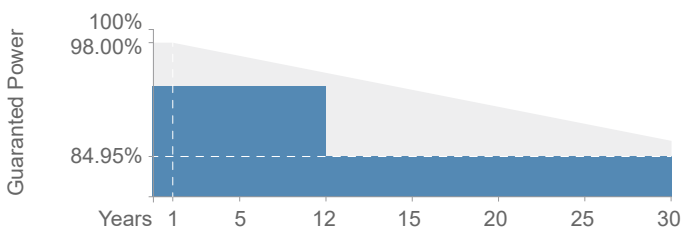
INTRODUCTION

SYSTEM & PRODUCT CERTIFICATES

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

PERFORMANCE WARRANTY

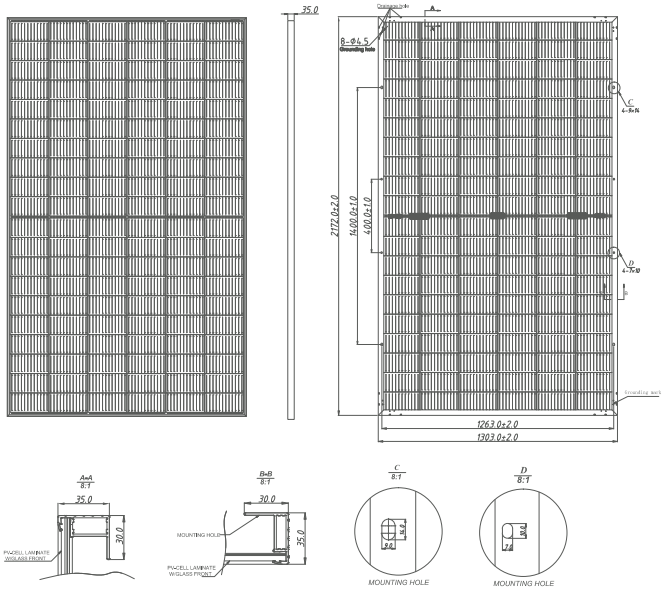
12 Years Product Warranty **30** Years Linear Power Warranty



Andes-G8P60B 585-605W

605W	21.30%	≤2%	≤0.45%
Output	Efficiency	First Year Degradation	Year 2-30 Power Degradation

TECHNICAL DRAWING



Mechanical Characteristics

Cell Type	P-Type Perc 210 Cell (12 BusBar)
Number of Cells	120(6×20)
Dimensions	2172×1303×35mm
Weight	34.8kg
Front Glass	2.0mm AR Coating Semi-tempered Glass
Back Glass	2.0mm Glazed Semi-tempered Glass
Frame	Anodized Aluminum Alloy
Output Cables	4mm²(IEC), 12AWG(UL) 300mm in Length or Customized Length
Junction Box	IP68, 3 Bypass Diodes
Connector	T01/LJQ-3-CSY/MC4/MC4-EVO2
Packaging	31 Pieces/Pallet, 558/527(USA) Pieces/40' container

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

Model	G8P60B-585W		G8P60B-590W		G8P60B-595W		G8P60B-600W		G8P60B-605W	
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	

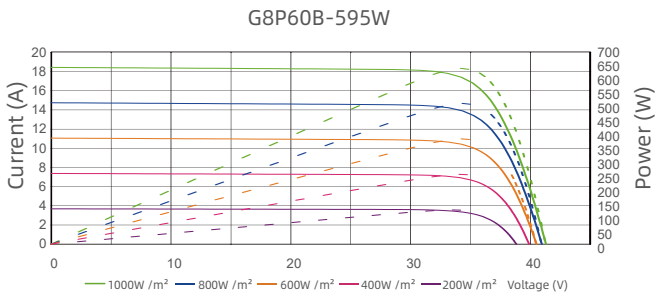
Bifacial Output-Rearside Power Gain (595W)

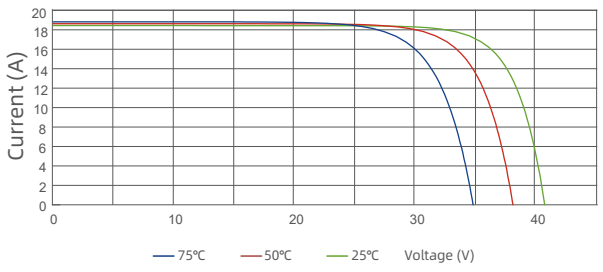
Power Gain	5%	10%	15%	20%	25%
Maximum Power (Pmax)[W]	625	655	684	714	744
Open-Circuit Voltage (Voc)[V]	41.30	41.30	41.30	41.30	41.30
Maximum Power Voltage (Vmp) [V]	34.50	34.50	34.50	34.50	34.50
Short-Circuit Current (Isc)[A]	19.23	20.14	21.06	21.97	22.89
Maximum Power Current (Imp) [A]	18.11	18.98	19.84	20.70	21.56

Operating Conditions

Maximum System Voltage	1500V/DC
Operating Temperature	-40℃~+85℃
Maximum Series Fuse Rating	35A
Mechanical Load Front Rear	5400Pa
Mechanical Load Back Rear	2400Pa
Nominal operating cell temperature	43±2℃
Bifaciality	70±5%

I-V Characteristics





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