Andes Series

GRAND MOUNTAIN

650-670W

G8P66B-G | 132-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)

Significantly Lower the Risk of Hot Spot

Special circuit design with much lower hot spot temperature

Lower LCOE

2% more power generation, lower LCOE

Excellent Anti-PID Performance

2 times of industry standard Anti-PID test

IP68 Junction Box

High waterproof level

c UL US LISTED

CE

DEKRA

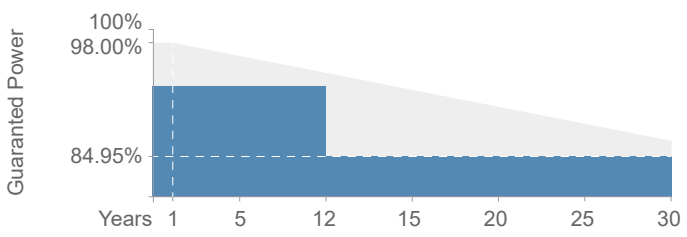
INTRODUCTION

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

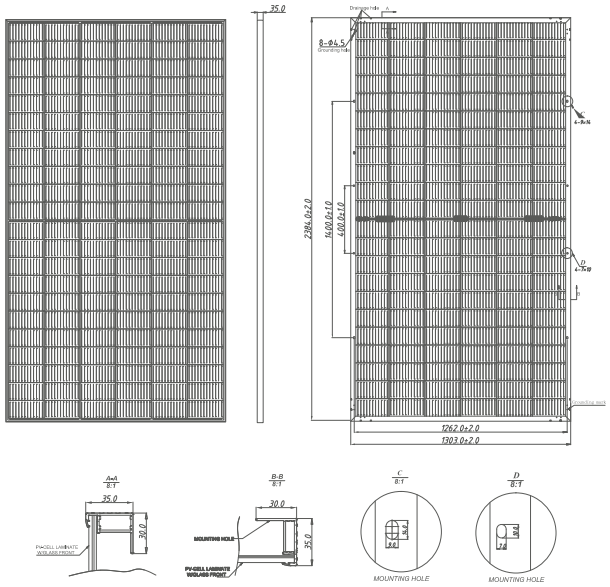
12 Years Product Warranty **30** Years Linear Power Warranty



Andes-G8P66B-G 650-670W

670W	21.60%	≤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	132(6×22)
Dimensions	2384×1303×35mm
Weight	38.5kg
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, 558/465(USA) Pieces/40' container

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

Model	G8P66B-G-650W		G8P66B-G-655W		G8P66B-G-660W		G8P66B-G-665W		G8P66B-G-670W	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	650	492	655	495	660	499	665	503	670	507
Operating Voltage (Vmpp/V)	37.80	35.40	38.00	35.60	38.20	35.80	38.40	36.00	38.60	36.10
Operating Current (Impp/A)	17.20	13.88	17.24	13.91	17.28	13.95	17.32	13.99	17.36	14.02
Open-circuit Voltage (Voc/V)	45.40	42.90	45.60	43.10	45.80	43.30	46.00	43.50	46.20	43.70
Short-circuit Voltage (Isc/A)	18.29	14.74	18.33	14.77	18.37	14.81	18.41	14.84	18.45	14.87
Modules Efficiency (%)	20.90		21.10		21.30		21.40		21.60	

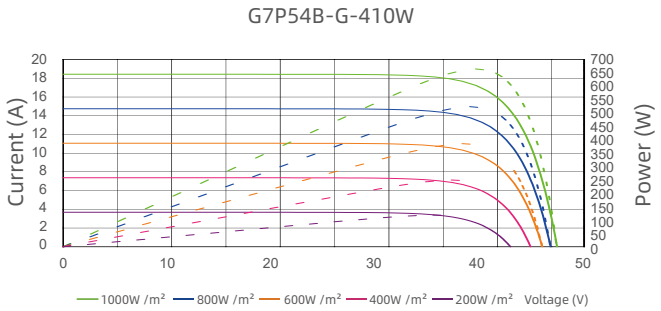
Bifacial Output-Rearside Power Gain (440W)

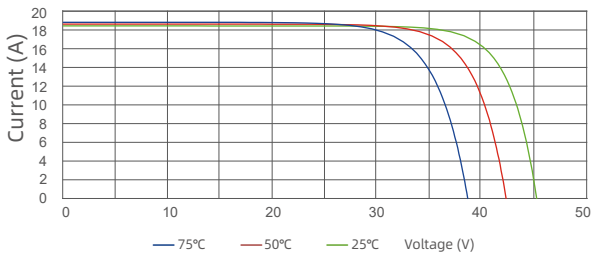
Power Gain	5%	10%	15%	20%	25%
Maximum Power (Pmax)[W]	688	721	753	786	819
Open-Circuit Voltage (Voc)[V]	45.40	45.40	45.40	45.40	45.40
Maximum Power Voltage (Vmp) [V]	38.00	38.00	38.00	38.00	38.00
Short-Circuit Current (Isc)[A]	19.22	20.13	21.05	21.96	22.88
Maximum Power Current (Imp) [A]	18.10	18.96	19.83	20.69	21.55

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





www.grandmountainsg.com

GRAND MOUNTAIN