GlacierSeriesG8

WP-XXX/G8-132H

Half-Cut Monocrystalline PERC Solar Module

Mono PERC Module	Power Output Range	Maximum System Voltage	Maximum Efficiency
132 CELL	495-510 W	1500V DC	21.50%

OUTSTANDING PRODUCT PERFORMANCE

- Cutting-edge half-cut technology
- High power output reaching 510W with module efficiency up to 21.50%
- Reduce hot spot risk and power loss with lower working temperature
- Low power loss under shading conditions

HIGH RELIABILITY

- Monitored and tested with strengthened quality control system
- Solid PID Resistant
  Ensured by solar cell process optimization and material control
- 100% EL double inspection
- Minimized micro-cracks with innovation non-destructive cutting technology
- Positive tolerance guaranteed: 0-+5W

CERTIFIED TO STAND EXTREME WEATHER CONDITIONS

- Material performance up to
  5400Pa snow load maximum
  2400Pa wind load maximum

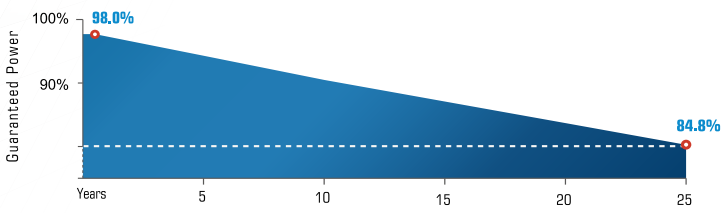
A BETTER INVESTMENT CHOICE

- Higher power output
- Higher module efficiency,1500V DC design to bring higher energy yield, saving BOS cost
- Inclusive 15 years product warranty and 25 year performance warranty

CERTIFICATES

IEC61215, IEC61730
ISO 9001:2015 Quality management system
ISO 14001 Standards for environment management system
OHSAS 18001 International standards for occupational health & safety

LINEAR PERFORMANCE WARRANTY



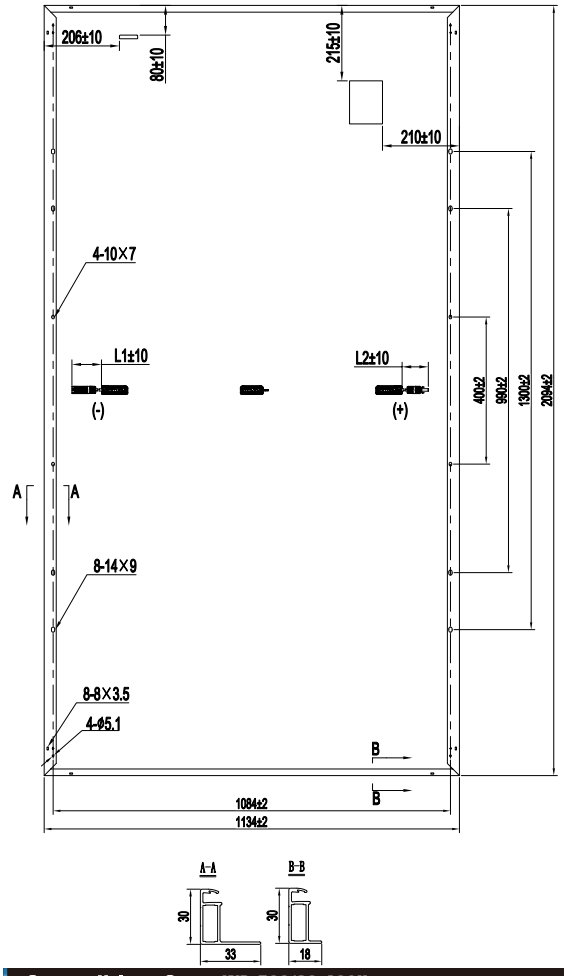
15-year Product Warranty | **25-year Linear Power Warranty**

Engineered in Germany

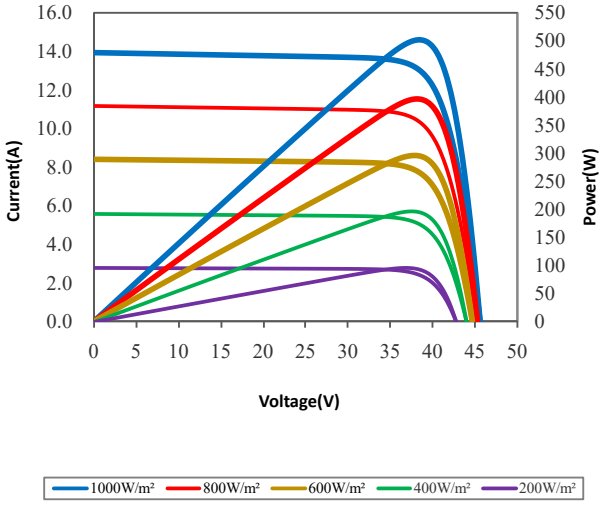
Precision and Passion

WP-XXX/G8-132H

Module Dimension [mm]



Current-Voltage Curve, WP-500/G8-132H



Electrical Characteristics (STC*)

Power Class		495	500	505	510
Nominal Power (Pmax)	(W)	495	500	505	510
Open Circuit Voltage (Voc)	(V)	45.40	45.55	45.70	45.85
Short Circuit Current (Isc)	(A)	13.86	13.93	13.99	14.06
Voltage at Pmax (Vmp)	(V)	38.22	38.37	38.52	38.67
Current at Pmax (Imp)	(A)	12.96	13.04	13.12	13.20
Module Efficiency	(%)	20.80	21.10	21.30	21.50
Power Tolerance		0~+5W			

* Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5

Electrical Characteristics (NOCT*)

Power Class		495	500	505	510
Nominal Power (Pmax)	(W)	368	372	376	379
Open Circuit Voltage (Voc)	(V)	43.00	43.20	43.30	43.46
Short Circuit Current (Isc)	(A)	11.19	11.24	11.29	11.35
Voltage at Pmax (Vmp)	(V)	36.20	36.40	36.50	36.65
Current at Pmax (Imp)	(A)	10.17	10.22	10.30	10.34

*Irradiance of 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

Mechanical Characteristics

Number of Cells	132 cells(6x22)
Cell Type	Monocystalline 182mm x 91mm
Dimensions of Module L*W*H (mm)	2094x1134x30 mm
Weight (kg)	25.0
Glass	3.2mm AR Coating tempered glass
Frame	Anodized aluminium alloy
J-Box	IP68,3 Bypass Diodes
Cable	4mm²(IEC) length:1200mm
Wind/ Snow Load	2400Pa/5400Pa
Connector	Staubli EVO2 or Compatible

Temperature Characteristics

Nominal Operation Cell Temperature (NOCT)	43°C±2°C
Temperature Coefficient of Pmax	-0.33%/°C
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	0.042%/°C

Design Characteristics

Operating Temperature	-40°C TO+85°C
Maximum System Voltage	1500V DC(IEC)
Max Series Fuse Rating	25A
Applicatioin Classification	Class A
Module Fire Performance	Class C

Packing Information

Module per Pallet	36 pieces
Module per 40' container	792 pieces

*Wattpower reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the producctss described herein.