



# Global Power GP-72G-182BNMBB **565-585W**

## N-type TOPCon Bifacial Dual Glass Solar Module

- Natural zero LID with N-type solar cell
- Maximum 30% more yield with high bifaciality
- Excellent low-light performance & temperature coefficient
- High module quality ensures long-term reliability
- The best choice for C&I and utility projects



### System & Product Certifications

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



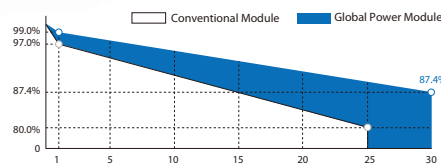
### Product Warranty & Insurance



12-year Warranty for Material & Workmanship



30-year Warranty for Linear Power Output



### The Ideal Solution for



Residential rooftop projects



Commercial / industrial rooftop projects

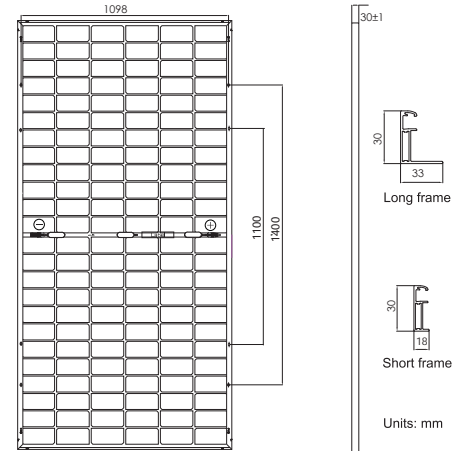


Ground-mounted projects

## Mechanical Parameters

Cell Type	N-type Mono
Cell Arrangement	144pcs (2x(6x12))
Dimension (LxWxH)	2278x1134x30mm
Weight	31.5kg
Front Cover	2.0mm AR Coating Tempered Glass
Back Cover	2.0mm Heat Strengthened Glass with Black Grid
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 bypass diodes
Cable	4mm <sup>2</sup> , +1200mm, -1200mm
Connector	MC4 EVO2

## Technical Drawings (mm)



## Electrical Parameters

STC: 1000W/m<sup>2</sup>, 25 °C, AM 1.5 Pmax tolerance 0~+3%

Module Type	GP565-72G-182BNMBB	GP570-72G-182BNMBB	GP575-72G-182BNMBB	GP580-72G-182BNMBB	GP585-72G-182BNMBB
Test Condition	STC	STC	STC	STC	STC
Max. Power Output Pmax (W)	565	570	575	580	585
Max. Power Voltage Vmp (V)	41.92	42.07	42.22	42.37	42.52
Max. Power Current Imp (A)	13.48	13.55	13.62	13.69	13.76
Open Circuit Voltage Voc (V)	50.60	50.74	50.88	51.02	51.18
Short Circuit Current Isc (A)	14.23	14.31	14.39	14.47	14.51
Module Efficiency (%)	21.87%	22.06%	22.26%	22.45%	22.65%

## Rear Side Power Gain

Refer. Bifaciality Factor: 80±10%

		GP565-72G-182BNMBB	GP570-72G-182BNMBB	GP575-72G-182BNMBB	GP580-72G-182BNMBB	GP585-72G-182BNMBB
5%	Maximum Power (Pmax)	593	599	604	609	614
	Module Efficiency STC (%)	22.97%	23.17%	23.37%	23.57%	23.78%
15%	Maximum Power (Pmax)	650	656	661	667	673
	Module Efficiency STC (%)	25.15%	25.37%	25.60%	25.82%	26.04%
25%	Maximum Power (Pmax)	706	713	719	725	731
	Module Efficiency STC (%)	27.34%	27.58%	27.82%	28.07%	28.31%

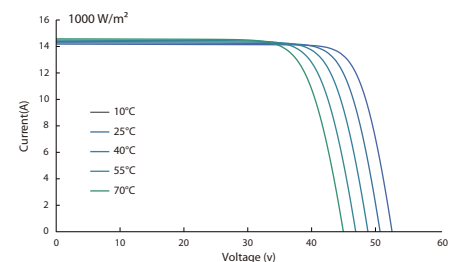
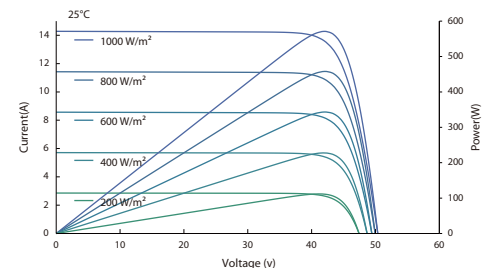
## Operating Parameters

Maximum System Voltage(V)	1500(DC)
Operating Temperature(°C) Max.	-40°C ~ +85°C
Wind Load / Snow Load(Pa)	2400/5400
Fire Performance	Type 29
Max.Over Current(A)	30

## Temperature Coefficients

Temperature Coefficient of Pmp	-0.35%/°C
Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	+0.048%/°C
NMOT	45°C±2°C

## I-V Curves



## Package Information

Quantity / Pallet	30 pcs
Container 40'HQ	20 pallets, 600 pcs

## Partner's Notes