Monofacial G1 SERIES

Monocrystalline Silicon PV Modules 380-400 Watt

5 Watt — **Positive Tolerance 0~+5W**

12 Years — **Enhanced Product Warranty on Materials and Workmanship**

25 Years — **Linear Power Performance Warranty**

KEY FEATURES

MULTI BUSBAR TECHNOLOGY
Better light trapping and current collection to improve power and reliability.

REDUCED HOT SPOT LOSS
Optimized electrical design and lower operating current for reduced hot spot loss and better temperature coefficient.

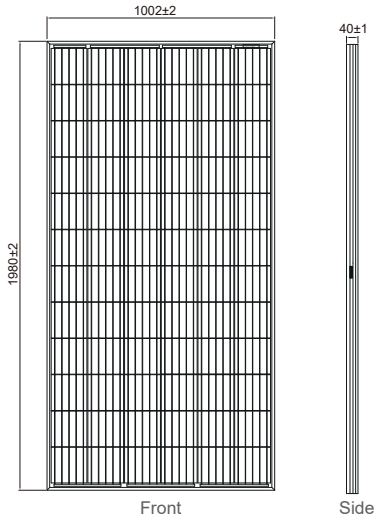
PID RESISTANCE
Excellent Anti-PID performance guarantee via production and materials control.

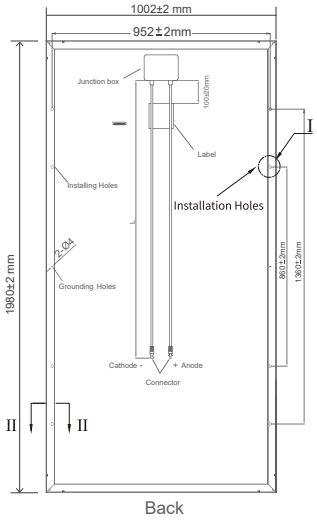
RELIABLE PERFORMANCE
Durability against salt mist and ammonia environmental conditions.

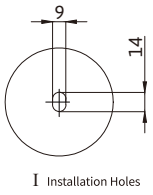
STABLE MECHANICAL PERFORMANCE
2400 Pa
5400 Pa

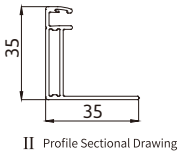
Withstands 5400Pa snow loads and 2400Pa wind loads.

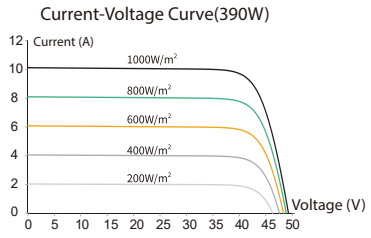
Monocrystalline Silicon PV Modules 380-400W

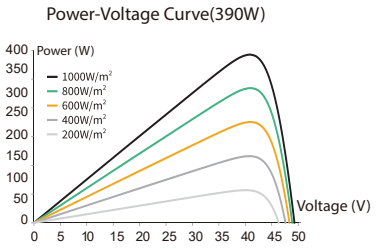




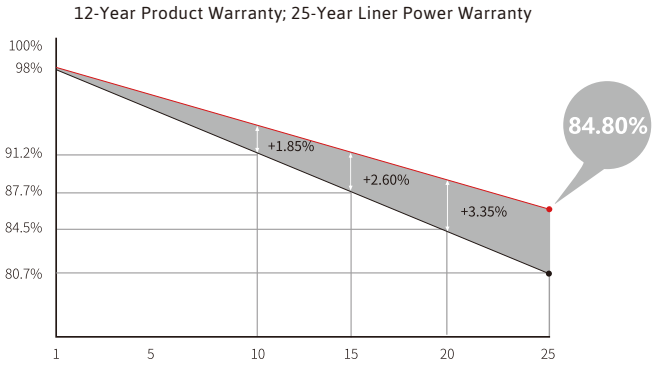








Additional Value



Mechanical Parameters

Cell Type	Mono PERC 158.75×158.75mm
Cell Orientation	72 Cells (6×12)
Junction Box	Protection class IP68
Output Cable	TÜV 1×4.0mm², Length 1200mm; wire length can be customized
Glass	3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	22.5kg
Dimension	1980×1002×40mm
Packaging	27pcs per pallet / 648pcs per 40'HQ

Electrical Characteristics

Module Type	DC380M-72		DC385M-72		DC390M-72		DC395M-72		DC400M-72	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	380	286	385	290	390	294	395	298	400	302
Voltage at Max. Power (Vmp/V)	40.5	38.6	40.8	38.8	41.1	39.1	41.4	39.3	41.7	39.6
Current at Max. Power (Imp/A)	9.39	7.42	9.44	7.48	9.49	7.54	9.55	7.60	9.60	7.66
Open Circuit Voltage (Voc/V)	48.9	47.5	49.1	47.7	49.3	48.0	49.5	48.2	49.8	48.5
Short Circuit Current (Isc/A)	9.75	7.88	9.92	7.95	10.12	8.02	10.23	8.09	10.36	8.16
Module Efficiency (%)	19.16		19.42		19.67		19.92		20.17	

STC (Standard Testing Conditions): lrradiance 1000W/m², Cell Temperature 25°C, AM1.5.
NOCT (Nominal Operating Cell Temperature): lrradiance 800W/m², Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s.

Operating Parameters

Operating Temperature	-40℃~+85℃
Power Output Tolerance	0 ~ + 5W
Voc and Isc Tolerance	±3%
Maximum System Voltage	1000/1500V
Maximum Series Fuse Rating	20A
NOCT (Nominal Operating Cell Temperature)	45±2℃
Protection Class	Class II
Fire Rating	UL type 1 or 2

Mechanical Loading

Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

Temperature Ratings(STC)

Temperature Coefficient (Pm)	-0.370%℃
Temperature Coefficient (Voc)	-0.280%℃
Temperature Coefficient (Isc)	0.048%℃

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