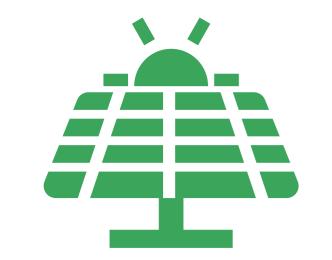


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GS40M - 400 - 415

Full Black Monocrystalline 80 Cells 400W-415W

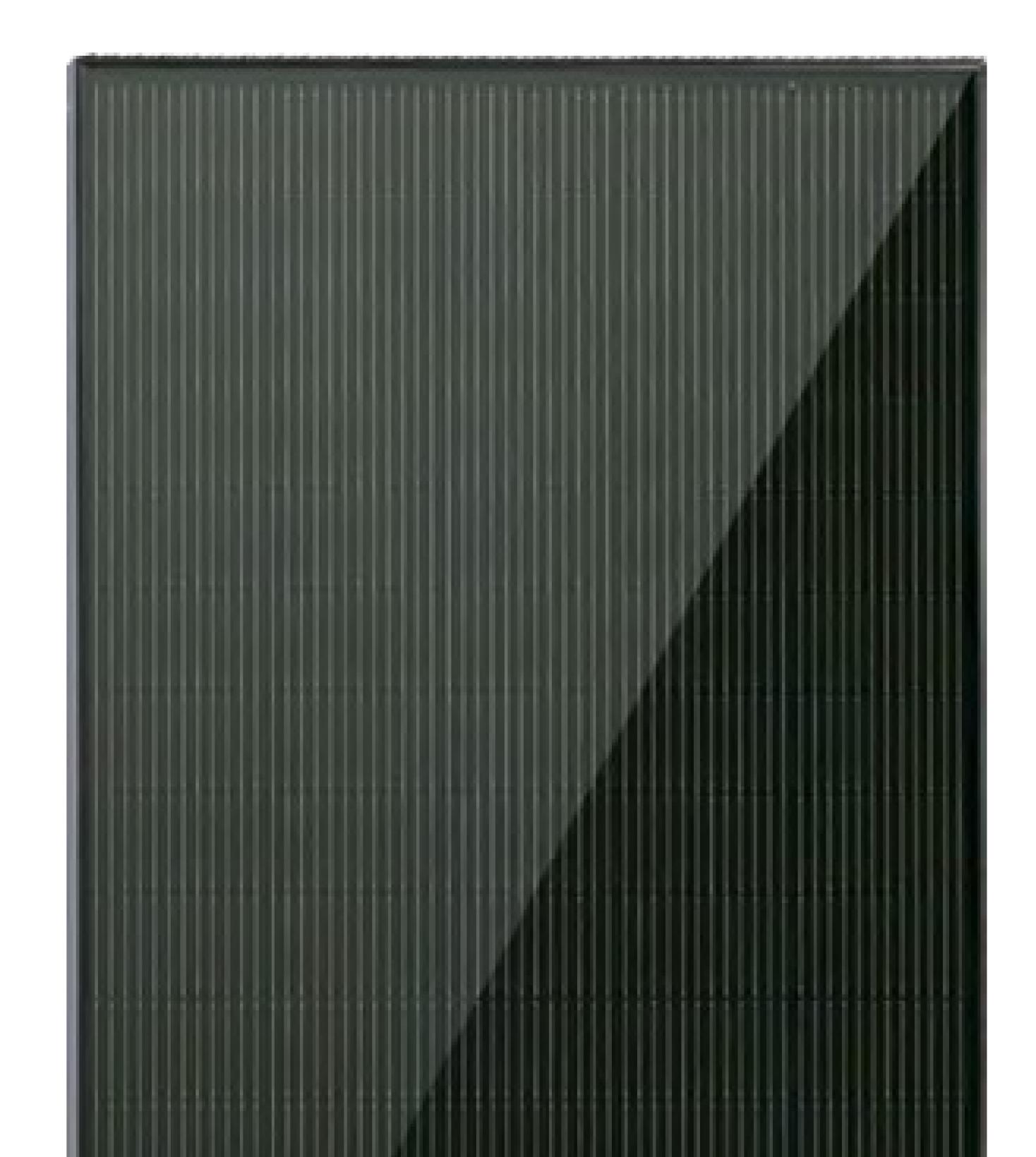
FEATURES



12 BUSBAR SOLAR CELL 12 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.

HIGH EFFICIENCY

Higher module conversion efficiency (up to 20.52%) benefit from half cellstructure (low resistance characteristic).



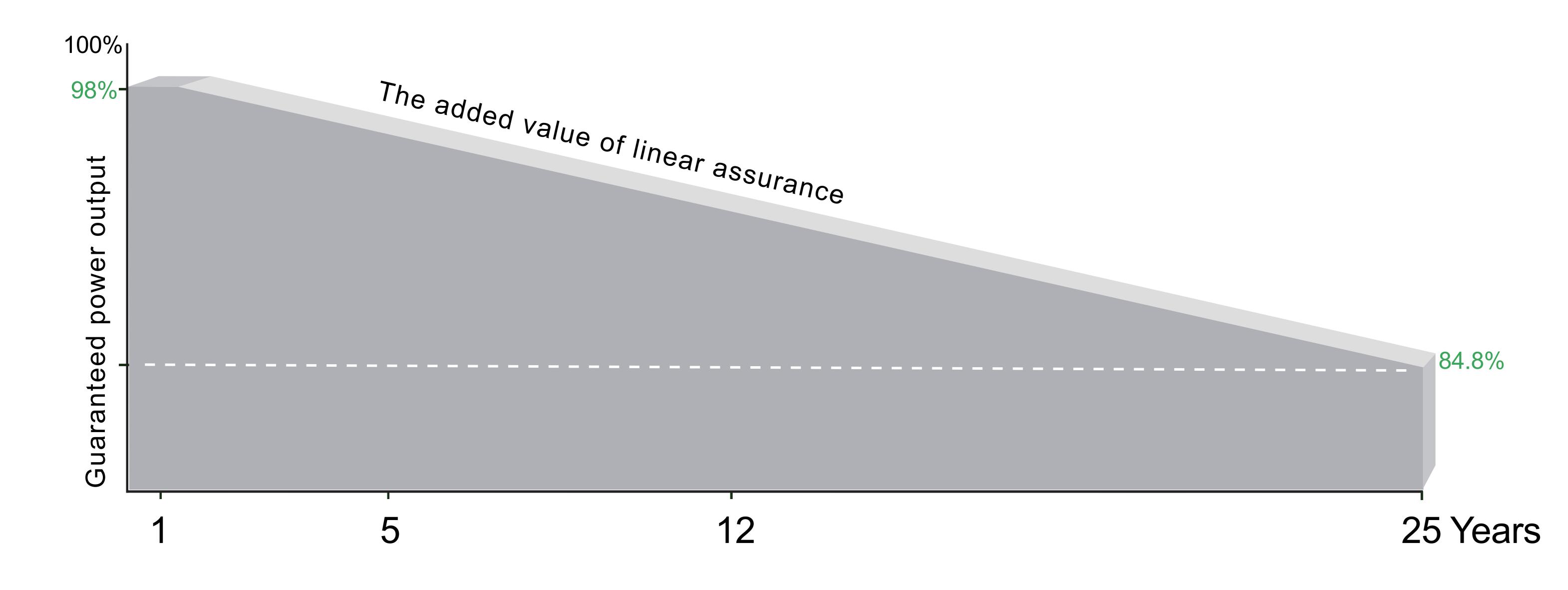
PID RESISTANCE

Excellent Anti-PID performance guarantee limited power degradation for mass production.



LOW-LIGHT PERFORMANCE Advanced glass and cell surface textured design ensure excellent performance in low-light environment.

LINEAR PERFORMANCE WARRANTY





Years Product Warranty

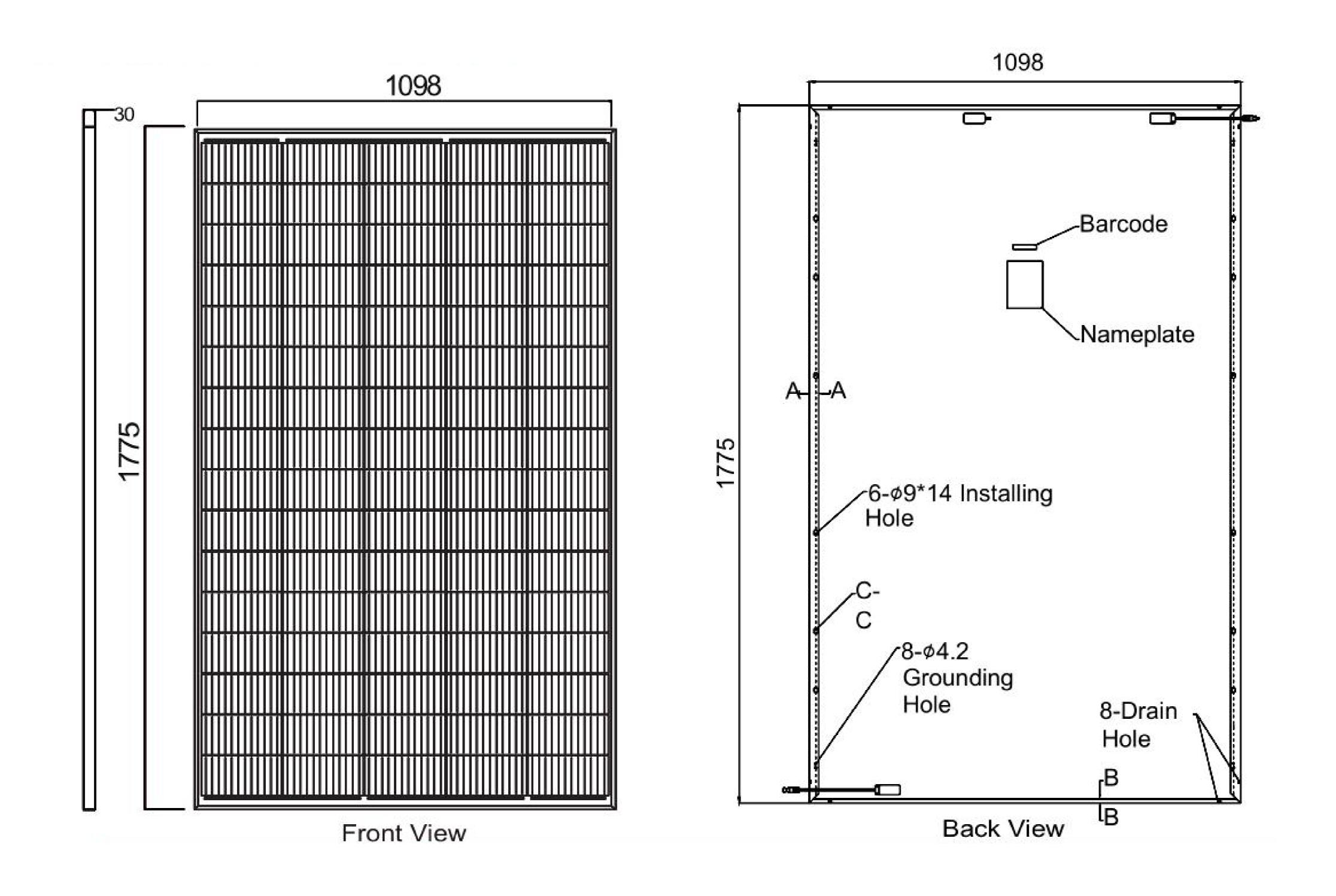
25 Years Power Warranty

The first year≤3%, 2-25 years≤0.55%/year

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TENGINEERING DRAWINGS



PACKAGING CONFIGURATION

Moduels Per Pallet	39Pcs
Moduels Per 40HQ	1014Pcs

MECHANICAL CHARACTERISTICS

Cell Type	Mono 210x105mm	
Weight(kg)	21kg	
Glass Thickness	3.2mm	
Dimensions (L*W*H)(mm)	1775x1098x28mm	
Cable Cross Section Size (mm²)	4mm ²	
No.of Cells and Connections	80(6x15)	
Junction Box	IP67	
Connector	MC4 Compatiple	

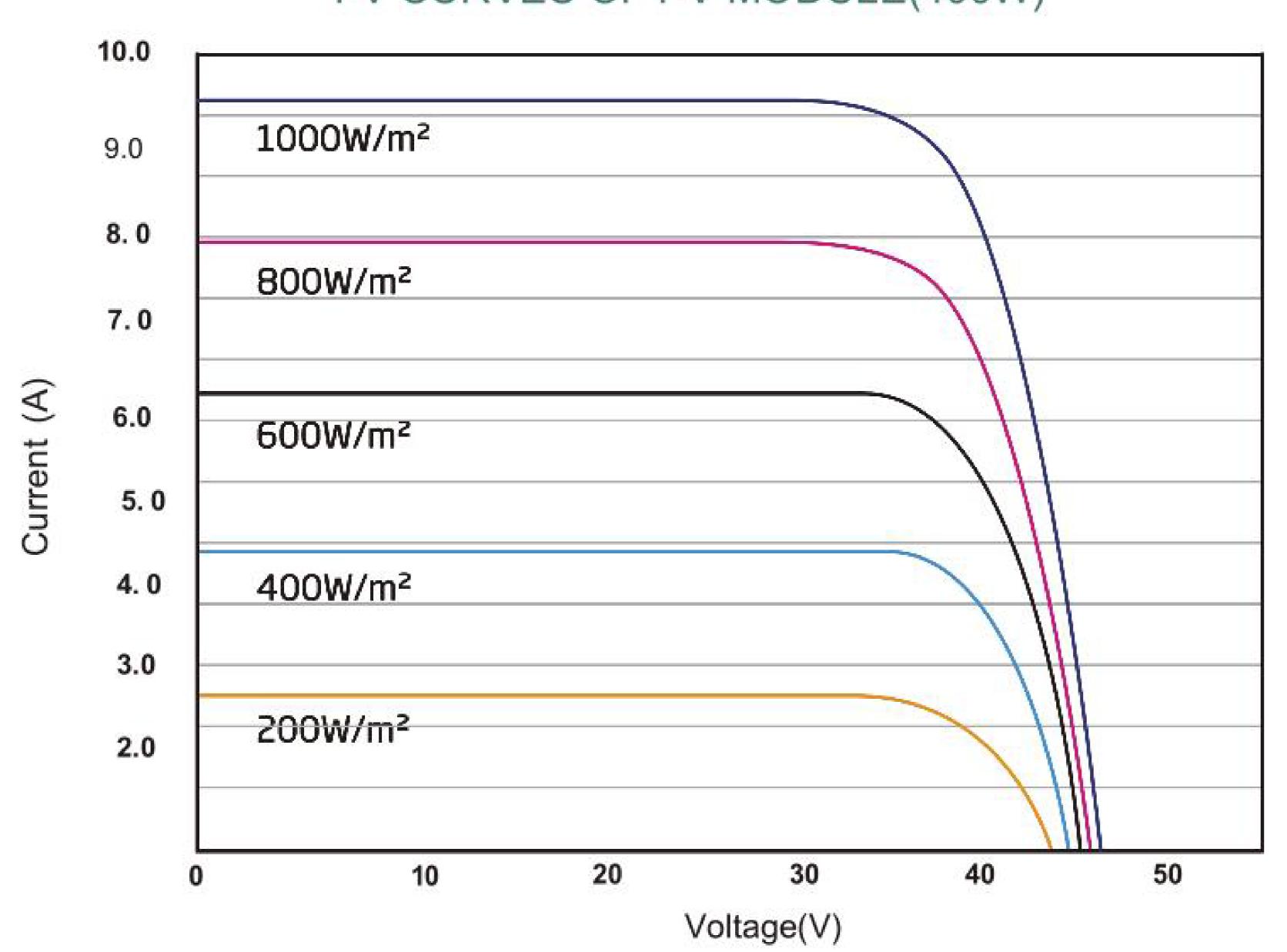
WORKING CONDITION

Maximum System Voltage	DC 1500V(IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	30A
Maximum Static Load, Front (e.g., snow and wind)	5400Pa
Maximum Static Load,Back (e.g.,wind)	2400Pa
NOCT	45±2°C
Application Class	Class A

SPECIFICATIONS

Module	GS40M-400-4 15				
	STC	STC	STC	STC	
Maximum Power Pmax (W)	400	405	410	415	
Maximum Power Voltage (Vmp/V)	43.30	43.60	44.00	44.30	
Maximum Power Current (Imp/A)	9.24	9.28	9.32	9.37	
Open Circuit Voltage (Voc/V)	52.40	52.84	53.20	53.62	
Short Circuit Current (Isc/A)	9.79	9.83	9.88	9.93	
Module Efficiency (%)	20.52	20.78	21.03	21.29	
Temperature Coefficient of Isc (alsc)	+0.048%/°C				
Temperature Coefficient of Voc (βVoc)	–0.29%/°C				
Temperature Coefficient of Pmax (γPmp)	–0.35%/°C				
STC	Irradiance 1000W/ m^2 , Cell Temperature 25 $^\circ$ C , Air Mass 1.5				

CHARACTERISTIC CURVE



I-V CURVES OF PV MODULE(400W)

450 $1000W/m^{2}$ 400 350 800W/m² 300 600W/m² Ś 250 P 200 400W/m² Ъ 150 100 200W/m² 50 20 40 50 10 30 0 Voltage(V)

P-V CURVES OF PV MODULE(400W)

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