GS60M-450-470

Half Cell Monocrystalline 120 Cells 450W-470W

FEATURES

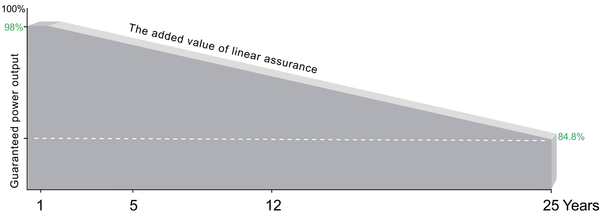
INCREASE POWER OUTPUT
0~+5W power guarantee

ENHANCED POWER OUTPUT
Temperature coefficient of maximum power: -0.35%/℃

REDUCE OCCLUSION LOSS
Very little chance of hot spots, ensuring safe power generation of modules

STRONGER MECHANICAL LOAD
2400pa reverse load, 5400pa front mechanical load

LINEAR PERFORMANCE WARRANTY



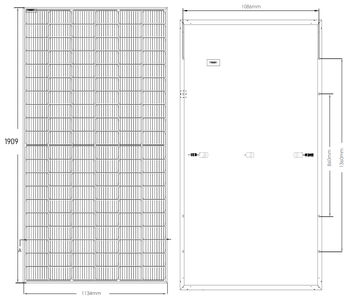
15 Years Product Warranty

25 Years Power Warranty

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

info@giftsunsolar.com
+86 185 5588 6666

ENGINEERING DRAWINGS



MECHANICAL CHARACTERISTICS

Cell Type	Mono 182x91mm
Weight(kg)	23kg
Glass Thickness	3.2mm
Dimensions (L*W*H)(mm)	1909x1134x35mm
Cable Cross Section Size (mm²)	4mm²
No.of Cells and Connections	120(6x20)
Junction Box	IP68
Connector	MC4 Compatiple

PACKAGING CONFIGURATION

Moduels Per Pallet	31Pcs
Moduels Per 40HQ	744Pcs

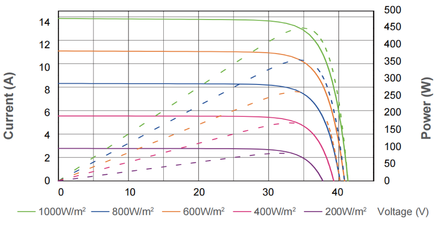
WORKING CONDITION

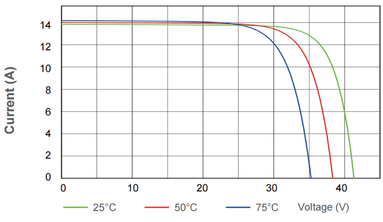
Maximum System Voltage	DC 1500V
Operating Temperature	-40℃~+85℃
Maximum Series Fuse	25A
Maximum Static Load,Front (e.g.,snow and wind)	5400Pa
Maximum Static Load,Back (e.g.,wind)	2400Pa
NOCT	45±2℃
Application Class	Class A

SPECIFICATIONS

Module	GS60M-450-470									
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power Pmax (W)	450	335	455	339	460	342	465	346	470	350
Maximum Power Voltage (Vmp/V)	33.91	31.73	34.06	31.91	34.20	32.07	34.35	32.24	34.49	32.41
Maximum Power Current (Imp/A)	13.27	10.55	13.36	10.61	13.45	10.67	13.54	10.73	13.63	10.80
Open Circuit Voltage (Voc/V)	41.18	38.87	41.33	39.01	41.48	39.15	41.63	39.29	41.78	39.43
Short Circuit Current (Isc/A)	13.85	11.19	13.93	11.25	14.01	11.32	14.09	11.38	14.17	11.45
Module Efficiency (%)	20.85		21.08		21.32		21.47		21.71	
Temperature Coefficient of Isc (αIsc)	+0.048%/℃									
Temperature Coefficient of Voc (βVoc)	-0.28%/℃									
Temperature Coefficient of Pmax (γPmp)	-0.35%/℃									
STC	Irradiance 800W/㎡, Cell Temperature 20℃, Air Mass 1.5									

CHARACTERISTIC CURVE





info@giftsunsolar.com
+86 185 5588 6666