GS72M-445-465

Half Cell Monocrystalline 144 Cells 445W-465W

FEATURES

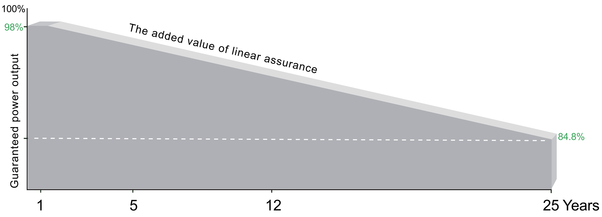
INCREASE POWER OUTPUT
0~+5W power guarantee

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

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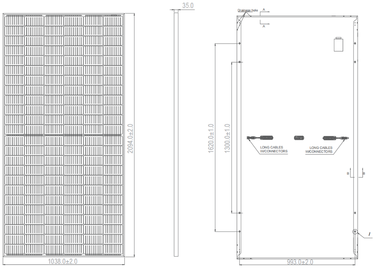
ENGINEERING DRAWINGS



MECHANICAL CHARACTERISTICS

Cell Type	Mono 166x83mm
Weight(kg)	24kg
Glass Thickness	3.2mm
Dimensions (L*W*H)(mm)	2094x1038x35mm
Cable Cross Section Size (mm²)	4mm²
No.of Cells and Connections	144(6x24)
Junction Box	IP68
Connector	MC4 Compatiple

WORKING CONDITION

Maximum System Voltage	DC 1500V
Operating Temperature	-40℃~+85℃
Maximum Series Fuse	20A
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

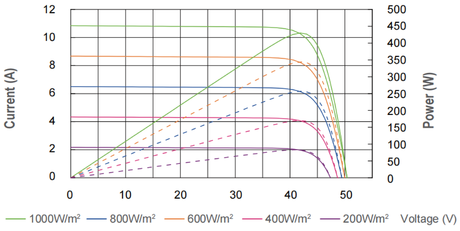
PACKAGING CONFIGURATION

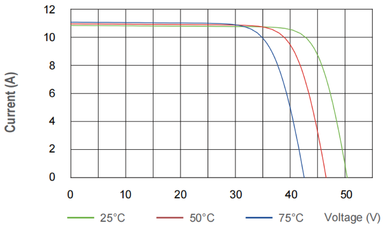
Moduels Per Pallet	31Pcs
Moduels Per 40HQ	682Pcs

SPECIFICATIONS

Module	GS72M-445-465									
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power Pmax (W)	445	336	450	340	455	344	460	348	465	353
Maximum Power Voltage (Vmp/V)	41.21	38.95	41.52	39.19	41.82	39.44	42.13	39.68	42.43	39.90
Maximum Power Current (Imp/A)	10.80	8.64	10.84	8.68	10.88	8.72	10.92	8.76	10.96	8.81
Open Circuit Voltage (Voc/V)	49.56	46.65	49.70	46.90	49.85	47.15	50.01	47.38	50.15	47.61
Short Circuit Current (Isc/A)	11.32	9.20	11.36	9.25	11.41	9.29	11.45	9.33	11.49	8.81
Module Efficiency (%)	20.0		20.30		20.50		20.7		20.9	
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





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