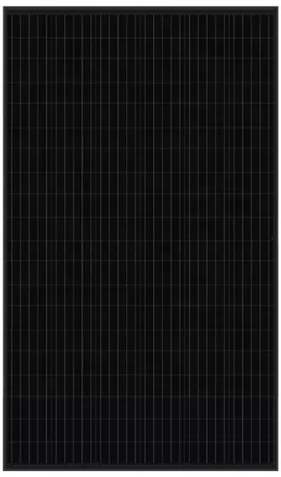
GS54M-400-420

Full Black Monocrystalline 108 Cells 400W-420W

FEATURES



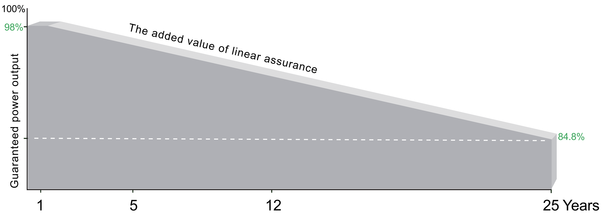
INCREASE POWER OUTPUT
0~+5W power guarantee

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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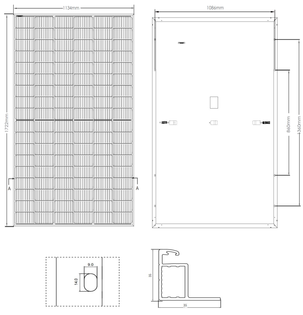
ENGINEERING DRAWINGS



MECHANICAL CHARACTERISTICS

Cell Type	Mono 182x91mm
Weight(kg)	21kg
Glass Thickness	3.2mm
Dimensions (L*W*H)(mm)	1722x1134x30mm
Cable Cross Section Size (mm²)	4mm²
No.of Cells and Connections	108(6x18)
Junction Box	IP68
Connector	MC4 Compatiple

WORKING CONDITION

Maximum System Voltage	DC 1000V/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

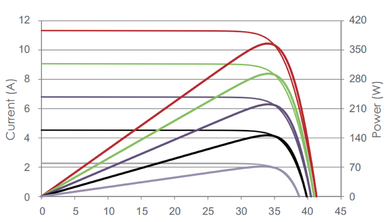
PACKAGING CONFIGURATION

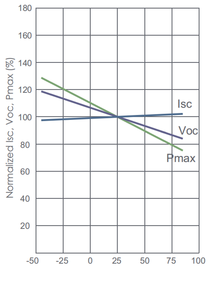
Moduels Per Pallet	36Pcs
Moduels Per 40HQ	936Pcs

SPECIFICATIONS

Module	GS54M-400-420									
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power Pmax (W)	400	302	405	306	410	310	415	314	420	318
Maximum Power Voltage (Vmp/V)	31.01	29.26	31.21	29.47	31.45	29.89	31.61	29.89	31.80	30.09
Maximum Power Current (Imp/A)	12.90	10.32	12.98	10.38	13.04	10.43	13.13	10.50	13.21	10.57
Open Circuit Voltage (Voc/V)	37.07	34.88	37.23	35.12	37.32	35.23	37.45	35.37	37.58	35.50
Short Circuit Current (Isc/A)	13.79	11.03	13.87	11.10	13.04	11.16	14.02	11.22	14.10	11.57
Module Efficiency (%)	20.48		20.74		21.00		21.25		21.50	
Temperature Coefficient of Isc (αIsc)	+0.05%/℃									
Temperature Coefficient of Voc (βVoc)	-0.31%/℃									
Temperature Coefficient of Pmax (γPmp)	-0.35%/℃									
STC	Irradiance 1000W/㎡, Cell Temperature 25℃, Air Mass 1.5									

CHARACTERISTIC CURVE





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