



GS535~555G12

535~555 Watt

210mm 110Cells PV Solar Module

GOATSUN
GREATEST OF ALL TIME



MBB PERC
Half Cut Cell



Excellent Low-light
Performance



100% Inspection
Guarantee Reliability



Anti PID



5400Pa
Strengthened
Mechanical Load

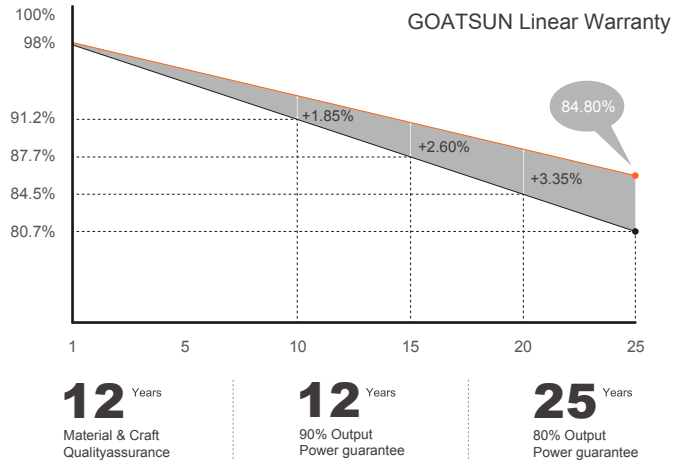
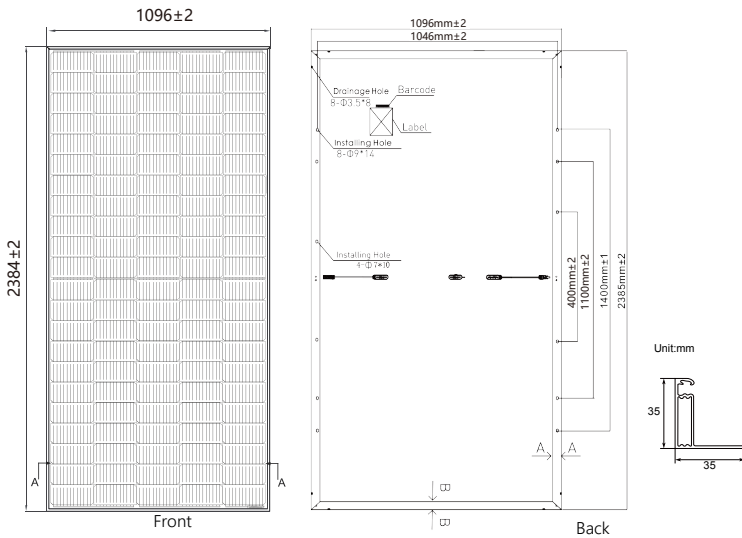


High Density
Packaging



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Electrical Characteristics (STC/NOCT)

Module Type	GS535G12-120		GS540G12-120		GS545G12-120		GS550G12-120		GS555G12-120	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	535	405	540	409	545	413	550	417	555	420
Open Circuit Voltage - Voc(V)	37.3	35.1	37.5	35.3	37.7	35.5	37.9	35.7	38.1	35.9
Short- Circuit Current - Isc(A)	18.36	14.80	18.41	14.84	18.47	14.88	18.52	14.92	18.56	14.96
Voltage at Pmax -Vmp(V)	31.0	28.8	31.2	29.0	31.4	29.2	31.6	29.4	31.8	29.5
Current at Pmax - Imp(A)	17.28	14.06	17.33	14.10	17.37	14.15	17.40	14.19	17.45	14.23
Module Efficiency -ηm(%)	20.50%		20.70%		20.90%		21.00%		21.20%	
Power Tolerance(W)	(0, +4.99W)									
Maximum System Voltage(V)	1500Vdc (IEC / UL)									
Maximum Series Fuse Rating (A)	25A									

STC : Irradiance 1000W/m², Cell Temperature 25℃, Air Mass 1.5

NOCT : Irradiance 800W/m², Ambient Temperature 20℃, Air Mass 1.5, Wind Speed 1m/s

Mechanical Specifications

External Dimensions	2384×1096×35mm
Weight	28.6kg
Solar Cells	Mono crystalline 210X105mm (22X5pcs)
Front Glass	AR Coated 3.2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm ² , 50cm (+), 50cm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

Temperature Characteristics

Pmax Temperature Coefficient	-0.362%/℃
Voc Temperature Coefficient	-0.262%/℃
Isc Temperature Coefficient	+0.042%/℃
Operating Temperature	-40 ~ +85℃
Nominal Operating Cell Temperature(NOCT)	45±2℃

Packing Configuration

	2384×1096×35mm
Container	40'HQ
Pieces per Pallet	31
Pallets per Container	20
Pieces per Container	620

Current-Voltage & Power-Voltage Curves (GS500G12)

