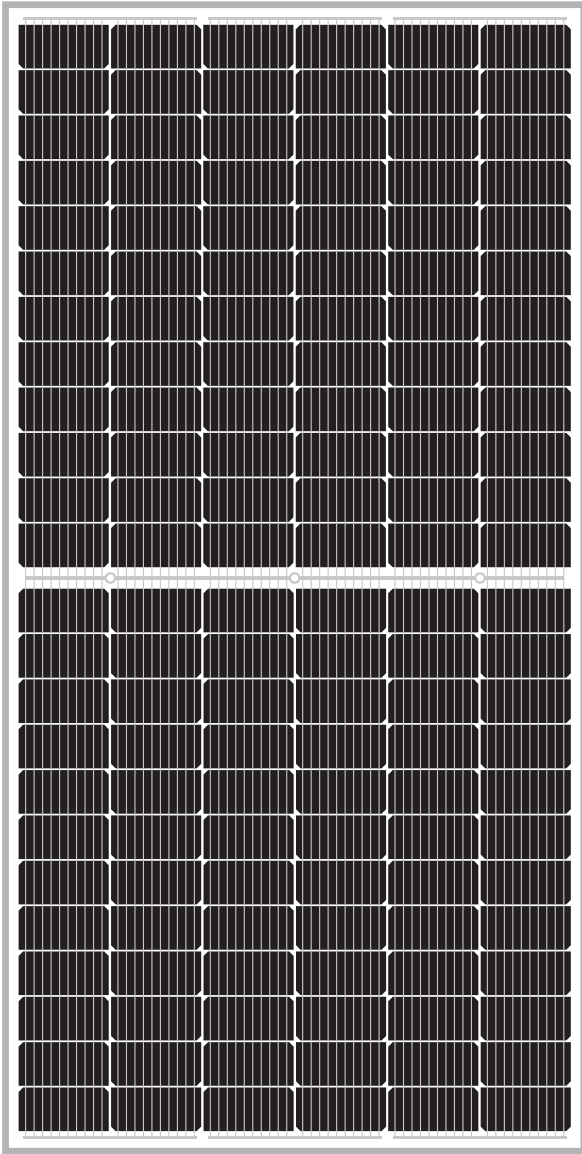


GS-545-72MHB-M10

MONO PERC HALF-CELL BIFACIAL SOLAR MODULE



KEY FEATURES



High efficiency PERC

High efficiency 182 (M10) PERC solar cell with 10 busbar technology to ensure efficiency of the solar module up to 21.10% with stable operation.



Bifacial power generation

Increases power generation 10-30%.



Excellent performance in low light

More power output in low light - through advanced glass and solar cells.



Wind/Snow load

Wind load 2400 pa, snow load 5400 pa.



Pid Free

Excellent Anti-PID performance, minimized degradation of power.

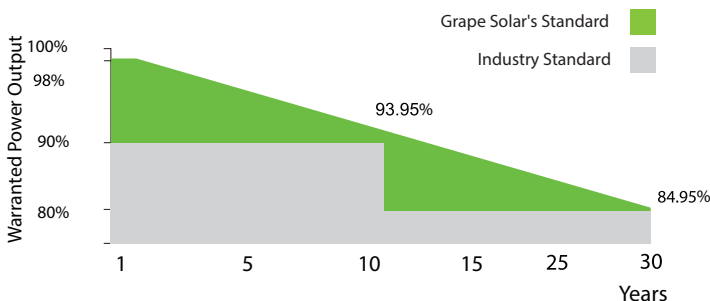


Resistance against extreme environmental conditions

High Salt Mist and Ammonia resistance certified by TUV.

LINEAR PERFORMANCE WARRANTY

12 years product warranty. 30 years linear power warranty.



MANAGEMENT SYSTEM CERTIFICATES

ISO 9001:2015/QUALITY MANAGEMENT SYSTEM
ISO 14001:2015/STANDARDS FOR ENVIRONMENTAL MANAGEMENT SYSTEM

PRODUCT CERTIFICATES

IEC 61215/IEC 61730:VDE/CE/CEC AU
UL 61730: CSA



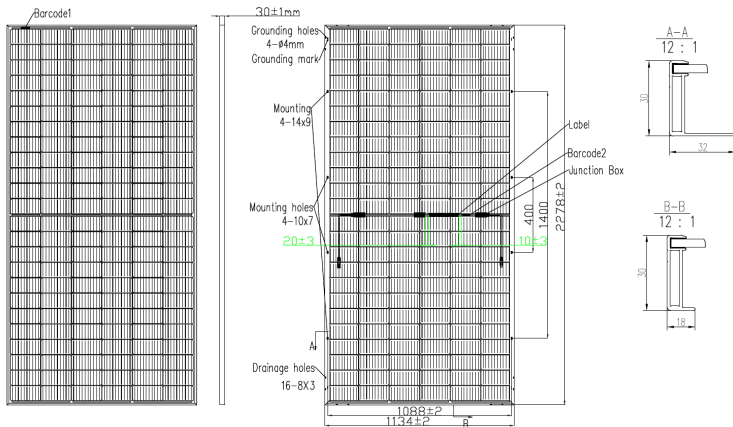
SPECIFICATIONS

Module type	GS-525-72MHB-M10		GS-530-72MHB-M10		GS-535-72MHB-M10		GS-540-72MHB-M10		GS-545-72MHB-M10	
	STC	(NOCT)	STC	(NOCT)	STC	(NOCT)	STC	(NOCT)	STC	(NOCT)
Maximum power(Pmax)	525Wp	393Wp	530Wp	397Wp	535Wp	400Wp	540Wp	404Wp	545Wp	408Wp
Maximum power voltage(Vmp)	40.9V	37.8V	41.1V	38.0V	41.3V	38.1V	41.5V	38.3V	41.7V	38.5V
Maximum power current (Imp)	12.85A	10.40A	12.91A	10.45A	12.96A	10.50A	13.02A	10.55A	13.08A	10.60A
Open-circuit voltage(Voc)	49.2V	45.9V	49.4V	46.1V	49.6V	46.3V	49.8V	46.5V	51.0V	46.7V
Short-circuit current(Isc)	13.59A	10.98A	13.65A	11.02A	13.71A	11.07A	13.77A	11.12A	13.83A	11.17A
Module efficiency STC (%)	20.32%		20.52%		20.71%		20.90%		21.10%	
Operating temperature(°C)	-40°C ~ 85°C									

ELECTRICAL CHARACTERISTICS WITH 25% REAR SIDE POWER GAIN

Front power Pmax/W	525	530	535	540	545
Total power Pmax/W	656	663	669	675	681
Vmp/V(Total)	41.0	41.2	41.4	41.6	41.8
Imp/A(Total)	16.01	16.08	16.15	16.23	16.30
Voc/V(Total)	49.3	49.5	49.7	49.9	50.1
Isc/A(Total)	16.75	16.82	16.90	16.97	17.05

ENGINEERING DRAWING



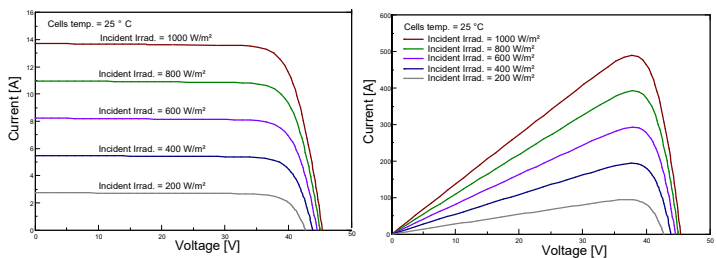
TEMPERATURE RATINGS

NOCT	44 ± 2°C
Temperature coefficients of Pmax	-0.35%/°C
Temperature coefficients of Voc	-0.29%/°C
Temperature coefficients of Isc	+0.05%/°C
Refer. Bifacial Factor	70 ± 5%

MATERIAL CHARACTERISTICS

Number of cell	144 (6 * 24)
Dimensions	2278*1134*30mm 89.69*44.65*1.18in
Weight	33.5+/-1kg 73.85lbs
Front glass	2.0mm+2.0mm heat strengthened glass
Frame	Anodized aluminium alloy

PV MODULE IV CURVES



Electrical performance vs Incident Irradiance
Current-voltage & power-voltage curves (545W)

WORKING CONDITIONS

Maximum system voltage	1000/1500 VDC
Maximum series fuse rating	30A

Junction box Ip68 , 3 diodes

Cables 12 AWG, length: 350 mm or Customized

Connectors MC4-Compatible

PACKAGING CONFIGURATION

40HQ	720PCS
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