

GERMAN SOLAR

21.90%

MAX. MODULE EFFICIENCY

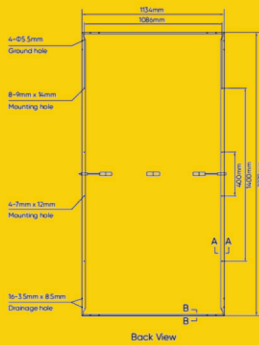
GS6 GS6-60HBD-560M

540-560W

N-Type TOPCon Bifacial
Double-Glass Solar Module

Leading the
energy evolution

Module Dimension



Mechanical Data

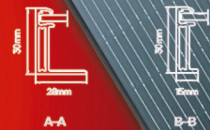
Number of Cells	144 Cells (6x24)
Dimensions of Module L*W*H	2278 x 1134 x 30mm
Weight	25.0kg
Front Side Glass	High transparency solar glass 3.2mm
Backsheet	White
Frame	Black/Silver, anodized aluminium alloy
Junction Box	IP68 Rated, 3 Diodes
Cable	4.0mm ² , Portrait: 300mm / Landscape: 1400mm
Wind/Snow Load	2400Pa/5400Pa*
Connector	MC Compatible

* Please check the installation manual for more details.

Electrical Specification (STC*)

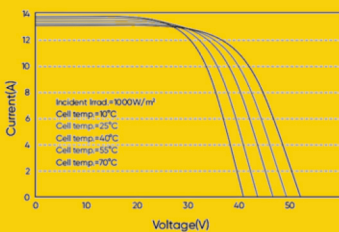
	540	545	550	555	560
Maximum Power (Pmax/W)	540	545	550	555	560
Maximum Power Voltage (Vmp/V)	42.06	42.35	42.64	42.93	43.22
Maximum Power Current (Imp/A)	12.84	12.87	12.90	12.93	12.96
Open Circuit Voltage (Voc/V)	49.75	49.98	50.22	50.45	50.68
Short Circuit Current (Isc/A)	13.63	13.66	13.70	13.73	13.76
Module Efficiency (%)	211	213	215	217	219
Power Output Tolerance (W)	0~+5				

* Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5



I-V Curve at Different Temperature (555W)

I-V Curve at Different Temperature (555W)



Electrical Specification (NMOT*)

Maximum Power (Pmax / W)	408.6	412.4	416.2	420.0	423.8
Maximum Power Voltage (Vmp / V)	39.01	39.28	39.55	39.82	40.09
Maximum Power Current (Imp / A)	10.47	10.50	10.52	10.55	10.57
Open Circuit Voltage (VOC / V)	46.96	47.18	47.40	47.62	47.85
Short Circuit Current (Isc / A)	10.92	10.94	10.97	10.99	11.02

* Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

Maximum Ratings

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Max Series Fuse Rating	25A

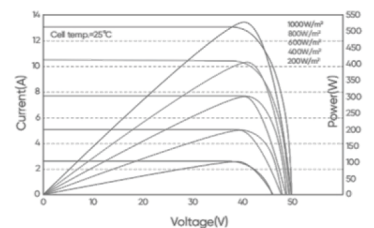
Packaging Configuration

Module per Box	36 pieces
Module per 40' Container	720 pieces

Temperature Ratings

NMOT (Nominal Module Operating Temperature)	43±2°C
Temperature Coefficient of Isc	+0.05%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Pmax	-0.36%/°C

I-V/P-V Curve at Different Temperature (555W)



12 MWh in VIETNAM



800 kWh in GERMANY





GERMAN
SOLAR