

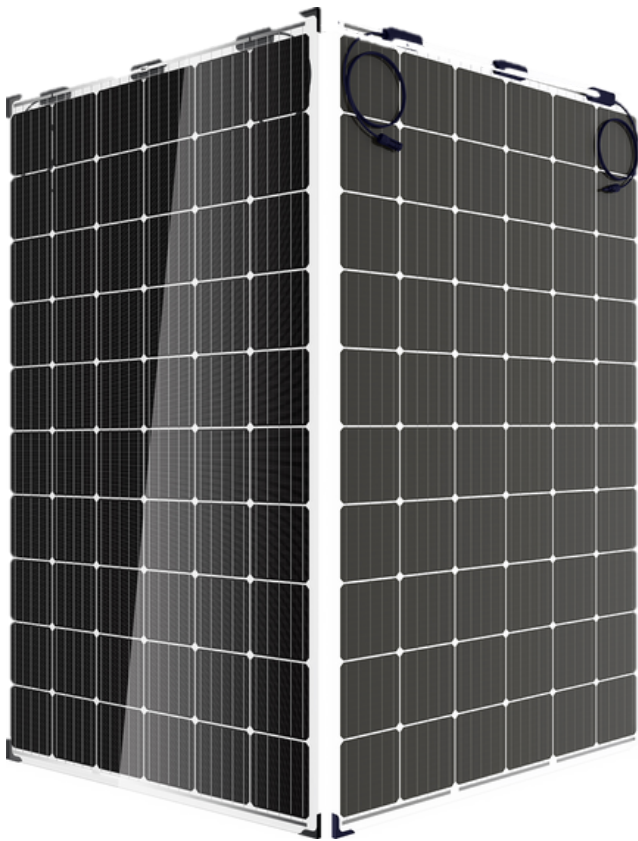
SOLAR MODULES

SunGlow III

BIFACIAL MODULES WITH PERC CELLS.

GStech60-6-320-340Wp-PEBI-GG-10.

BOOSTING PERFORMANCE BY CAPTURING THE LIGHT TWICE: FRONT & REAR-SIDE GENERATION FOR HIGHEST YIELDS



Key features:



5 BUS BAR

PERC BIFACIAL SOLAR CELL

PERC panels have a higher energy density per square foot and perform well under high temperatures.



Less maintenance

HIGHER POWER OUTPUT

Module power increases 5-25% generally (per different reflective condition) lower LCOE and higher IRR



Low Light

LOW-LIGHT PERFORMANCE

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.



2400 Pa | 5400 Pa

SEVERE WEATHER RESILIENCE

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Resistant

DURABILITY AGAINST EXTREME ENVIRONMENTAL CONDITIONS

High salt mist and ammonia resistance certified by KIWA.



30 Years

30-YEARS LINEAR PERFORMANCE WARRANTY

15-years limited warranty for materials and workmanship and GStech guarantee that each module shall deliver the following minimum output as shown in the datasheet for each module: **0.5% annual degradation over 30 years.**

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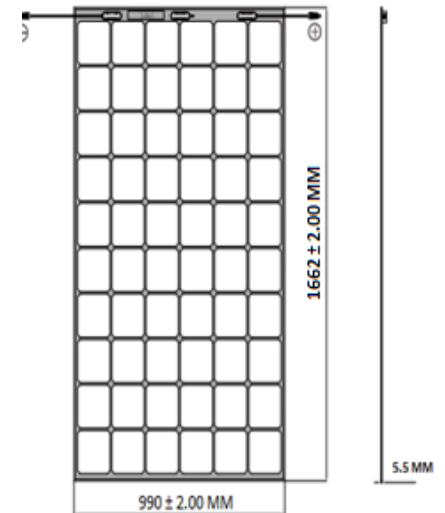
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PHYSICAL PARAMETERS

Solar cell	PERC Bifacial Monocrystalline 158.75 X 158.75 mm
Cell configuration	60 cell (10 x 6)
Module dimension	1662 x 990 x 5.5 mm
Weight	20 kg
Front glass	2 mm, high transmission, low iron, tempered ARC glass
Back glass	2 mm, tempered glass
Interlayer	0.45 EVA (white)
J-Box	IP67, 1000VDC, 3 bypass diodes
Cables	4.0 sqmm (12AWG), 500 mm length (customer demand)
Connector	IP67 MC4 or its compatible

DIMENSION OF PV MODULE

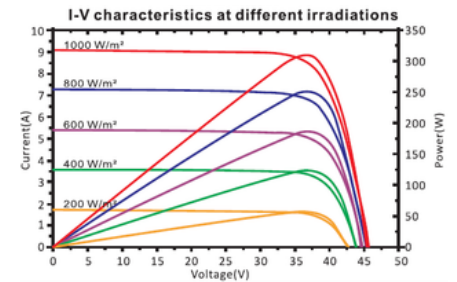


ELECTRICAL PARAMETERS (STC)

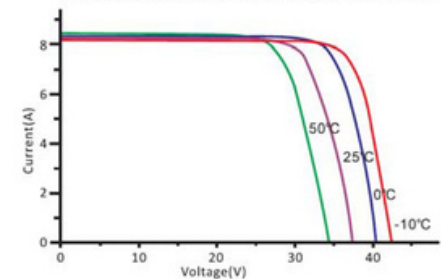
TYPE	GStech60-6-320M	GStech60-6-330M	GStech60-6-335M	GStech60-6-340M
Rated maximum power at STC (Wp)	320	330	335	340
Open circuit voltage Voc (V)	40.7	41.1	41.3	41.5
Maximum power voltage Vmpp (V)	33.3	33.7	33.9	34.1
Short circuit current Isc (A)	9.98	10.18	10.22	10.28
Maximum power current Impp (A)	9.61	9.80	9.89	9.98
Module efficiency (%)	19.55	20.16	20.46	20.77

STC: Irradiance 1000W/m², cell temperature 25°C, air mass 1.5

I-V CURVE



I-V characteristics at different temperature



BI-FACIAL OUTPUT - BACKSIDE POWER GAIN

		GStech60-6-320M	GStech60-6-330M	GStech60-6-335M	GStech60-6-340M
5 %	Power Output (W)	315	320.25	325.5	330.75
	Module Efficiency (%)	19.14	19.46	19.78	20.10
15 %	Power Output (W)	345	350.75	356.50	362.25
	Module Efficiency (%)	20.97	21.32	21.67	22.02
25 %	Power Output (W)	375	381.25	387.50	393.75
	Module Efficiency (%)	22.79	23.17	23.55	23.93

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TEMPERATURE COEFFICIENT AND PARAMETERS

Nominal operating cell temperature (NOCT)	45°C ± 2°C
Temperature coefficient of Pmax	-0.385%/°C
Temperature coefficient of Voc	-0.32%/°C
Temperature coefficient of Isc	0.055%/°C
Operating temperature	-45°C~+85°C
Maximum system voltage	1000VDC
Limiting reverse current	15A
Maximum series fuse rating	15A
Power tolerance (W)	0/+3%
Application class	Class A
Wind and snow front load	Up to 5,400 Pa
Wind back load	2,400 Pa

PACKAGING CONFIGURATION

	40ft	20ft
Number of modules per container	780	360
Number of modules per pallet	30	30
Number of pallets per container	26	12
Packing box dimension (L x W x H) in mm	1770 x 1140 x 1184	1770 x 1140 x 1183
Box gross weight (Kg)	753	753

