



SP-5-60HGDb

500-540W

GBC Module with Dual Glass

24.4%

Module Efficiency up to



Superior Temperature coefficient



Higher Generated Energy



Higher Reliability



Lower BOS



Excellent Micro-crack Resistance



High Temperature Restriction



Partial Shading Optimisation



Extraordinary Aesthetic Design

≤1% First-year Degradation

≤0.35% Annual Degradation



Product Warranty



Linear Power Warranty



- Operating Temperature

-40°C ~ +85°C
 - Power Tolerance

0~+3%
 - Junction Box

IP68
 - NOCT

45±2°C
- Maximum Series Fuse Rating

25A
 - Bifacial Factor

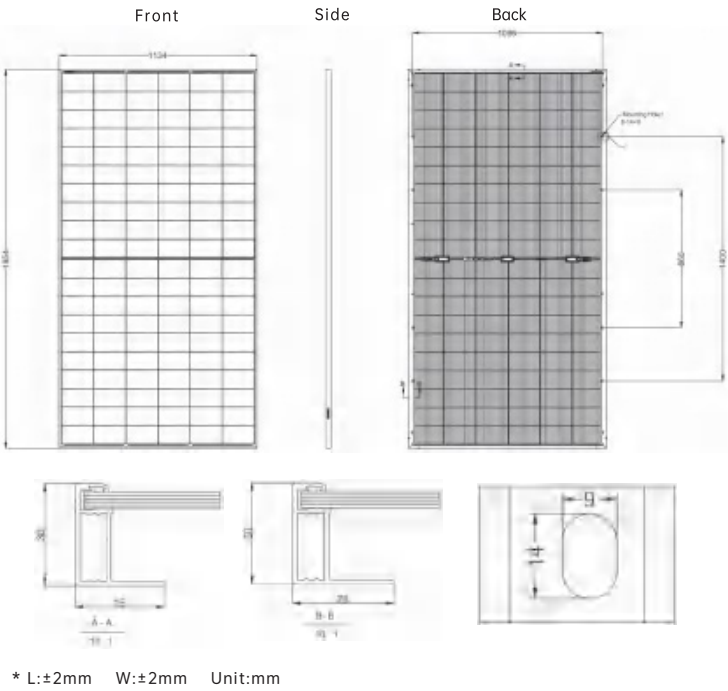
70±5%
 - Maximum System Voltage

1500V(IEC)

Mechanical Parameters

Cell Type	GBC
No. of cells	120 (6×20)
Glass	Dual glass, 2.0 + 2.0mm Heat Strengthened Glass
Frame	Black anodized aluminum
Output Cables	TüV 1×4mm², (+)300mm, (-)200mm or Customized Length
Weight	27.0 kg (59.52 lbs)
Dimension	1954×1134×30mm
Connector	MC4 Compatible/MC4-Evo2
Packaging	37 pcs per pallet 148 pcs per 20' GP 888 pcs per 40' HC
Protection Class	Class II
Fire Rating	IEC Class A

Engineering Drawings

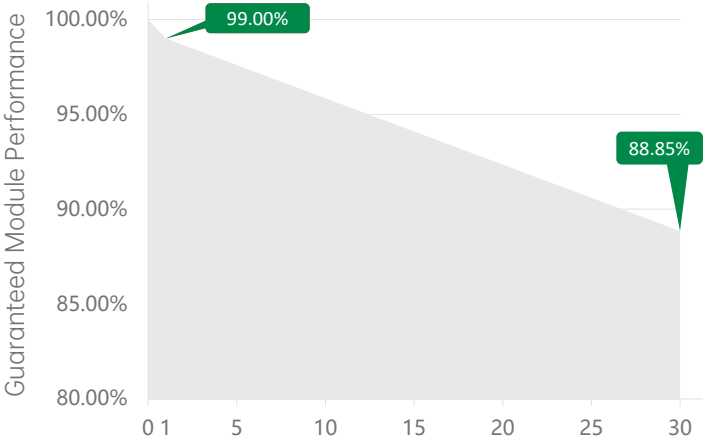


Electrical Characteristics (STC Test)

Module Type	SP-5-60HGDb-500M		SP-5-60HGDb-505M		SP-5-60HGDb-510M		SP-5-60HGDb-515M		SP-5-60HGDb-520M		SP-5-60HGDb-525M		SP-5-60HGDb-530M		SP-5-60HGDb-535M		SP-5-60HGDb-540M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	500	379	505	383	510	386	515	390	520	394	525	398	530	402	535	406	540	410
Open-circuit Voltage (Voc/V)	45.00	42.71	45.10	42.80	45.20	42.90	45.30	42.99	45.42	43.09	45.52	43.18	45.62	43.27	45.72	43.36	45.82	43.43
Maximum Power Voltage (Vmp/V)	37.90	35.96	38.00	36.05	38.10	36.15	38.20	36.24	38.30	36.34	38.40	36.43	38.50	36.53	38.60	36.62	38.70	36.72
Short-circuit Current (Isc/A)	14.05	11.35	14.11	11.41	14.17	11.46	14.23	11.51	14.29	11.56	14.35	11.61	14.41	11.66	14.47	11.71	14.53	11.76
Maximum Power Current (Imp/A)	13.20	10.55	13.30	10.63	13.39	10.70	13.49	10.78	13.58	10.86	13.68	10.93	13.77	11.01	13.86	11.09	13.95	11.17
Module Efficiency (%)	22.6		22.8		23.0		23.2		23.5		23.7		23.9		24.1		24.4	

1、STC: Irradiance 1000W/M², Cell Temperature25°C, AM=1.5

2、NOCT: Irradiance 800W/M², Ambient Temperature 20°C, AM=1.5, Wind Speed 1M/S



Temperature Ratings (stc)

Temperature Coefficient of Isc	+0.05%/°C
Temperature Coefficient of Voc	-0.22%/°C
Temperature Coefficient of Pmax	-0.26%/°C

Mechanical Loading

Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25 mm diameter hail at 23 m/s

