

HiMAX 5R

445-485W

SP485M-54H

BC Module With Single Glass



24.3%

Max. Module Efficiency



Superior Temperature coefficient



Higher Generated Energy



Higher Reliability



Lower BOS



Excellent Micro-crack Resistance



High Temperature Restriction



Partial Shading Optimisation

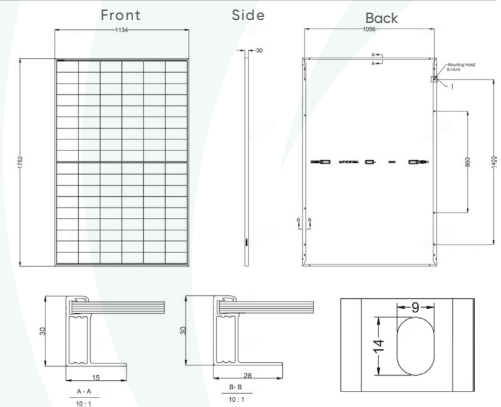


Extraordinary Aesthetic Design

Mechanical Parameters

Cell Type	GBC
No. of cells	108(6×18)
Glass	3.2 mm tempered glass
Frame	Black anodized aluminum
Output Cables	TüV 1×4mm ² , (+)300mm, (-) 200mm or Customized Length
Weight	21.0kg (46.30lbs)
Dimension	1757×1134×30mm
Connector	MC4 Compatible/MC4-Evo2
Packaging	37 pcs per pallet 222 pcs per 20' GP, 962 pcs per 40' HC
Protection Class	Class II
Fire Rating	IEC Class C

Engineering Drawings



* L:±2mm W:±2mm Unit:mm

Electrical Parameters (STC)

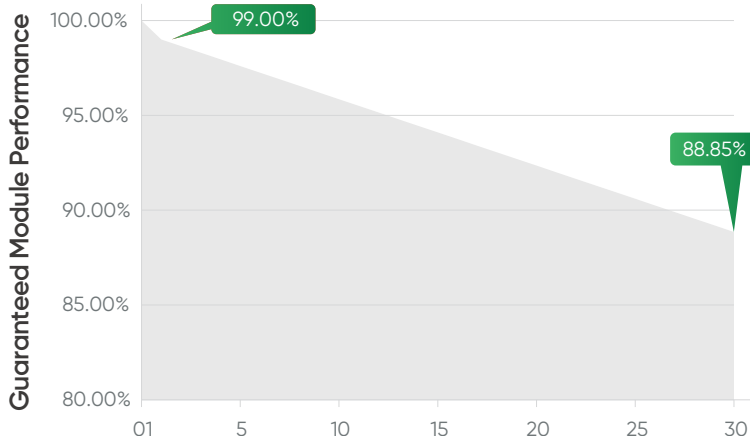
Module Type: SP485M-54H	445	450	455	460	465	470	475	480	485
Maximum Power (Pmax/W)	445	450	455	460	465	470	475	480	485
Open-circuit Voltage (Voc/V)	40.88	40.94	41.00	41.06	41.12	41.18	41.24	41.30	41.36
Maximum Power Voltage (Vmp/V)	34.44	34.50	34.56	34.62	34.68	34.74	34.80	34.86	34.92
Short-circuit Current (Isc/A)	14.02	14.12	14.22	14.25	14.29	14.32	14.36	14.41	14.47
Maximum Power Current (Imp/A)	12.93	13.05	13.17	13.29	13.41	13.54	13.66	13.78	13.90
Module Efficiency (%)	22.3	22.6	22.8	23.1	23.3	23.6	23.8	24.1	24.3

STC: Irradiance 1000W/M², Cell Temperature 25°C, AM=1.5

Electrical Parameters (NOCT)

Maximum Power (Pmax/W)	335	339	343	346	350	354	358	362	366
Open-circuit Voltage (Voc/V)	38.60	38.66	38.72	38.77	38.83	38.89	38.95	39.01	39.07
Maximum Power Voltage (Vmp/V)	32.52	32.58	32.64	32.69	32.75	32.81	32.86	32.92	32.98
Short-circuit Current (Isc/A)	11.34	11.42	11.50	11.52	11.55	11.58	11.62	11.66	11.70
Maximum Power Current (Imp/A)	10.32	10.41	10.51	10.61	10.71	10.80	10.90	11.00	11.10

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