Sunpal

Making More Power

HiMAX 5R

470-500W

SP500M-54H

BC Module With Single Glass All Black

24.5%

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

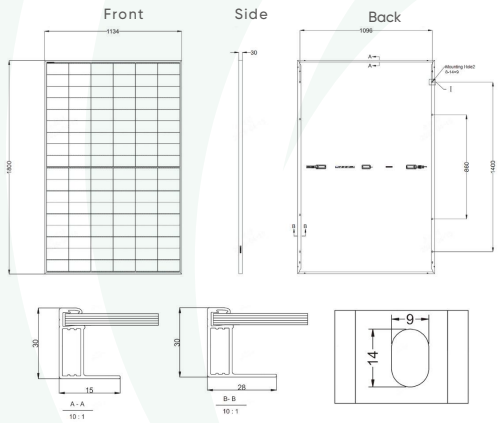
HiMAX 5R

470-500W

Mechanical Parameters

Cell Type	GBC
No. of cells	108(6×18)
Glass	3.2 mm tempered glass
Frame	Black anodized aluminum
Output Cables	TüV 1×4mm², (+)300mm, (-) 200mm or Customized Length
Weight	21.4 kg (47.18 lbs)
Dimension	1800×1134×30mm
Connector	MC4 Compatible/MC4-Evo2
Packaging	37 pcs per pallet 222 pcs per 20' GP, 888 pcs per 40' HC
Protection Class	Class II
Fire Rating	IEC Class C

Engineering Drawings



* L:±2mm W:±2mm Unit:mm

Electrical Parameters (STC)

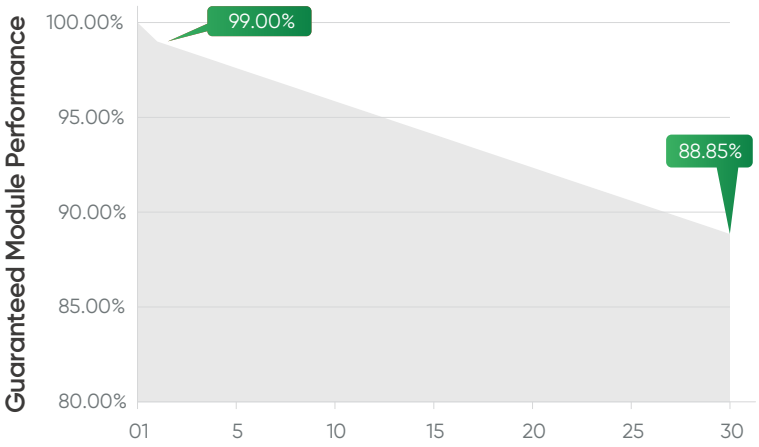
Module Type: SP500M-54H	470	475	480	485	490	495	500
Maximum Power (Pmax/W)	470	475	480	485	490	495	500
Open-circuit Voltage (Voc/V)	40.37	40.51	40.65	40.79	40.93	41.07	41.21
Maximum Power Voltage (Vmp/V)	33.48	33.58	33.68	33.78	33.88	33.98	34.08
Short-circuit Current (Isc/A)	14.86	14.93	15.00	15.07	15.14	15.21	15.28
Maximum Power Current (Imp/A)	14.05	14.15	14.26	14.37	14.47	14.58	14.68
Module Efficiency (%)	23.0	23.3	23.5	23.8	24.0	24.3	24.5

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

Electrical Parameters (NOCT)

Maximum Power (Pmax/W)	354	358	362	366	370	373	377
Open-circuit Voltage (Voc/V)	38.12	38.26	38.39	38.52	38.65	38.79	38.92
Maximum Power Voltage (Vmp/V)	31.62	31.71	31.81	31.90	32.00	32.09	32.19
Short-circuit Current (Isc/A)	12.02	12.07	12.13	12.19	12.24	12.30	12.36
Maximum Power Current (Imp/A)	11.21	11.29	11.38	11.47	11.55	11.63	11.72

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

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