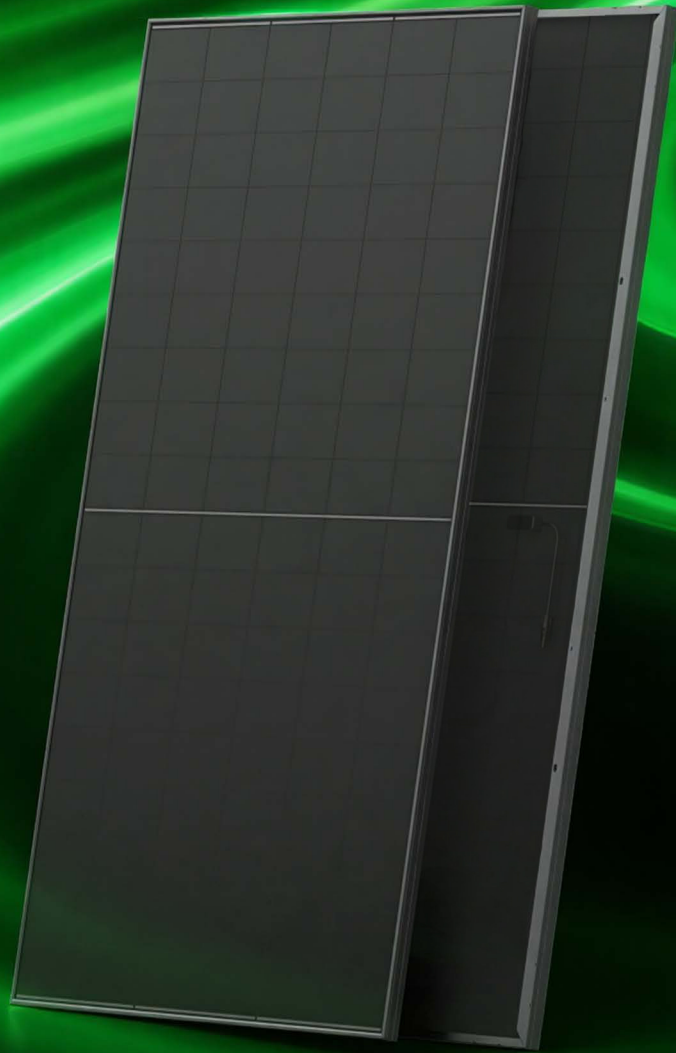


BiMAX 5R

470-500W

SP500M-54H

BC Module With All Black Bifacial 108Cells



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

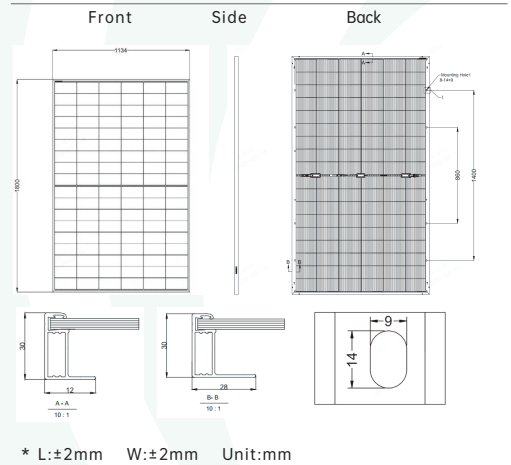


Extraordinary Aesthetic Design

Mechanical Parameters

Cell Type	GBC
No. of cells	108(6×18)
Glass	Dual glass, 1.6 + 1.6mm coated semi tempered glass
Frame	Black anodized aluminum
Output Cables	TüV 1×4mm ² , (+)300mm, (-) 200mm or Customized Length
Weight	20.8 kg (45.86 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 A

Engineering Drawings



Electrical Parameters (STC)

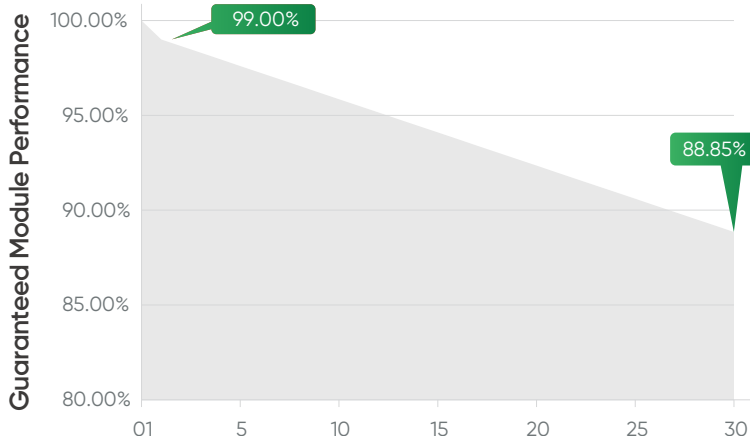
Module Type: SP500M-54H	470	475	480	485	490	495	500
Maximum Power (Pmax/W)	470	475	480	485	490	495	500
Open-circuit Voltage (Voc/V)	40.50	40.63	40.76	40.89	41.02	41.15	41.28
Maximum Power Voltage (Vmp/V)	33.64	33.74	33.84	33.94	34.04	34.14	34.24
Short-circuit Current (Isc/A)	14.82	14.89	14.96	15.03	15.10	15.17	15.24
Maximum Power Current (Imp/A)	13.98	14.09	14.19	14.30	14.40	14.50	14.60
Module Efficiency (%)	23.0	23.3	23.5	23.8	24.0	24.3	24.5

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

Electrical Parameters (NOCT)

Maximum Power (Pmax/W)	357	361	364	368	372	375	379
Open-circuit Voltage (Voc/V)	38.42	38.55	38.67	38.80	38.92	39.04	39.16
Maximum Power Voltage (Vmp/V)	31.92	32.01	31.11	32.20	32.30	32.40	32.49
Short-circuit Current (Isc/A)	11.97	12.03	12.09	12.15	12.21	12.26	12.32
Maximum Power Current (Imp/A)	11.17	11.27	11.35	11.44	11.51	11.59	11.67

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