

HOSUN

MONO GLASS

BACK CONTACT
SOLAR MODULE

HO-Lite

440 - 470W

HOSUN-A-MAH54Mb

10
YEARS

Product Warranty

20
YEARS

Performance Guarantee



Partial Shading
Optimisation



Better Temperature
Coefficient



High Temperature
Restriction



Micro-crack
Resistance



Higher Power



Lower BOS



More Aesthetic
Values



470W

Power Output Up To

23.6%

Maximum Efficiency

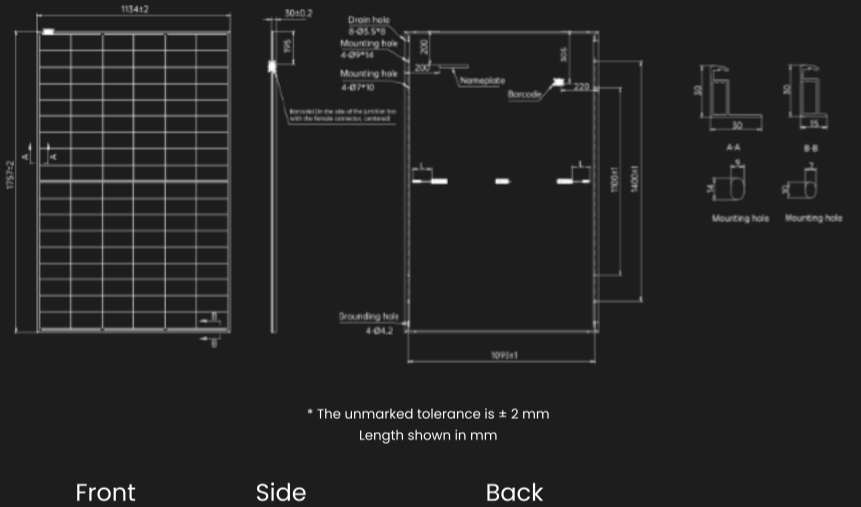
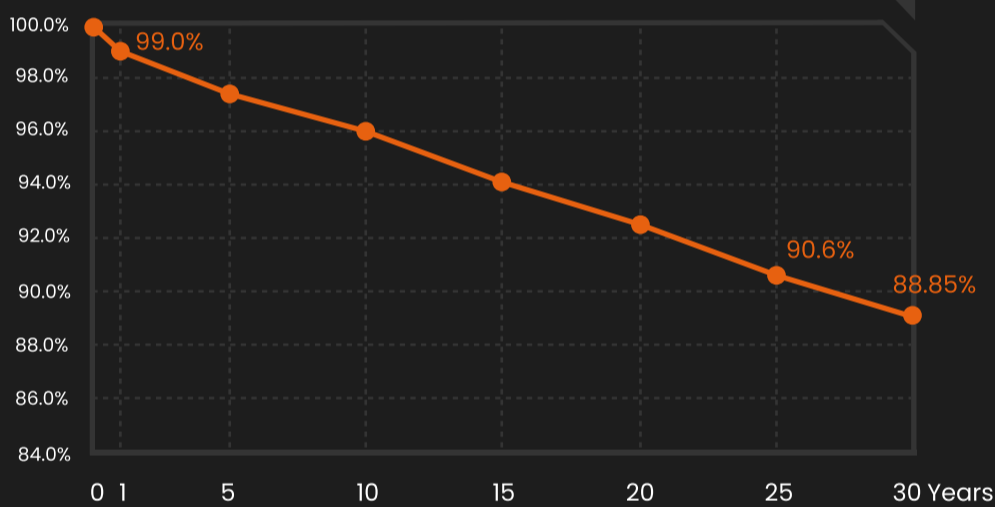
20 Years

Performance Guarantee

Electrical Characteristics (STC: AM1.5 1000W/m² 25°C NOCT: AM1.5 800W/m² 20°C 1m/s Power Tolerance:0~+3%)

Module Type	HOSUN-A440 -MAH54Mb		HOSUN-A445 -MAH54Mb		HOSUN-A450 -MAH54Mb		HOSUN-A455 -MAH54Mb		HOSUN-A460 -MAH54Mb		HOSUN-A465 -MAH54Mb		HOSUN-A470 -MAH54Mb	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P_{max} [W]	440	331	445	335	450	339	455	343	460	346	465	350	470	354
V_{oc} [V]	40.82	38.55	40.88	38.60	40.94	38.66	41.00	38.72	41.06	38.77	41.12	38.83	41.18	38.89
V_{mp} [V]	34.38	32.47	34.44	32.52	34.50	32.58	34.56	32.64	34.62	32.69	34.68	32.75	34.74	32.81
I_{sc} [A]	13.92	11.26	14.02	11.34	14.12	11.42	14.22	11.50	14.25	11.52	14.29	11.55	14.32	11.58
I_{mp} [A]	12.80	10.22	12.93	10.32	13.05	10.41	13.17	10.51	13.29	10.61	13.41	10.71	13.54	10.80
Module Efficiency	22.1%		22.3%		22.6%		22.8%		23.1%		23.3%		23.6%	

30-year Linear Performance Curve



STRUCTURAL CHARACTERISTICS

Dimension (L*W*H)	1757*1134*30mm
Weight (kg)	20.6kg ± 3%
Cell type	N-Type ABC
No. of Cells	108(6*18)
Glass	3.2 mm tempered glass
Frame	Black Anodized aluminum
Cable	4mm ² (IEC) 12AWG(UL) ±1200mm
Junction Box	IP68, 3 bypass diodes
Connector	Original MC4-EVO2A
Package Detail	37pcs per pallet / 222pcs per 20'GP / 962pcs per 40'HC

Temperature Ratings (STC)

Temperature Coefficient of I_{sc}	+ 0.05% / °C
Temperature Coefficient of V_{oc}	- 0.22% / °C
Temperature Coefficient of P_{max}	- 0.26% / °C

Installation Guide

Operation Temperature	-40°C - +85°C
Maximum Series Fuse Rating	25A
Protection Class	Class II
Maximum System Voltage	DC1500V
Maximum Static Loading	+5400Pa / -2400Pa
Hail Test	25 mm diameter hail at 23 m/s
Fire Rating	IEC Class C

Contact us: info@hosunenergy.com

HOSUN-A-MAH54Mb

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