

HOSUN

MONO GLASS

BACK CONTACT
SOLAR MODULE

HO-Lite

460 - 495W

HOSUN-A-MCE54Mb

Full-Screen

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



Full Screen
Technology



495W

Power Output Up To

24.8%

Maximum Efficiency

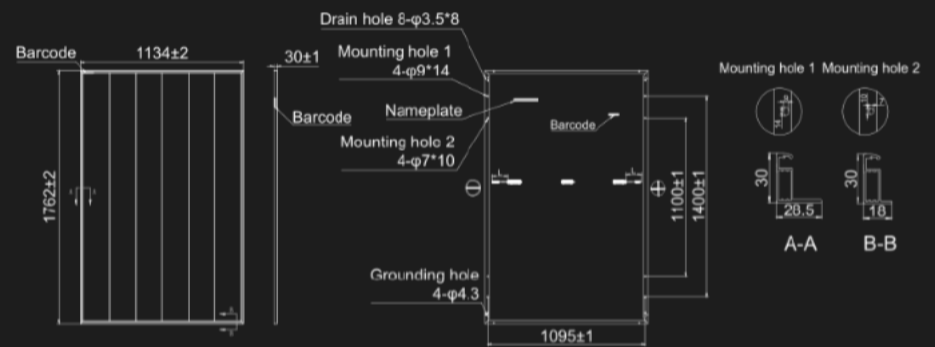
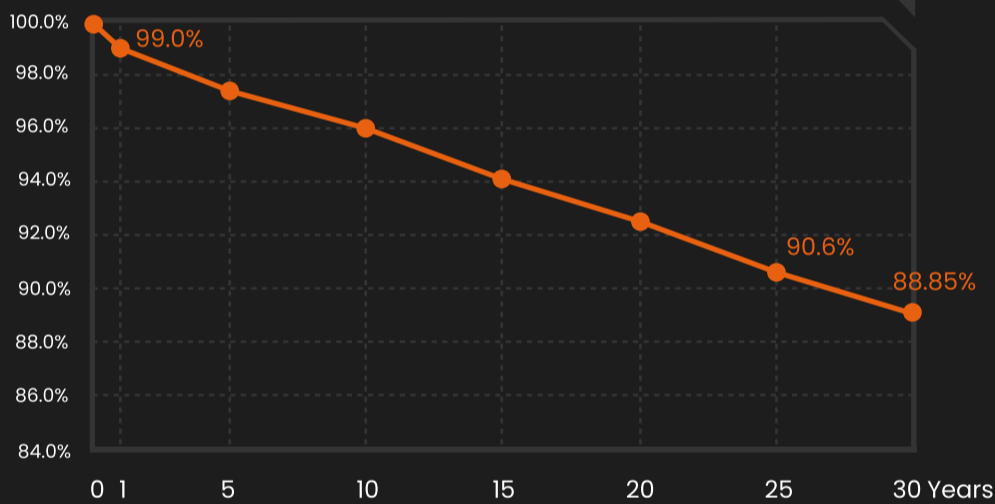
20 Years

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-A460 -MCE54Mb		HOSUN-A465 -MCE54Mb		HOSUN-A470 -MCE54Mb		HOSUN-A475 -MCE54Mb		HOSUN-A480 -MCE54Mb		HOSUN-A485 -MCE54Mb		HOSUN-A490 -MCE54Mb		HOSUN-A495 -MCE54Mb	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P_{max} [W]	460	349	465	352	470	356	475	360	480	364	485	367	490	371	495	375
V_{oc} [V]	40.50	38.42	40.60	38.52	40.70	38.61	40.80	38.71	40.90	38.80	41.00	38.90	41.10	38.99	41.20	39.09
V_{mp} [V]	34.10	32.35	34.20	32.45	34.30	32.54	34.40	32.64	34.50	32.73	34.60	32.83	34.70	32.92	34.80	33.02
I_{sc} [A]	14.66	11.85	14.69	11.87	14.72	11.89	14.76	11.93	14.80	11.96	14.84	11.99	14.88	12.02	14.92	12.06
I_{mp} [A]	13.50	10.89	13.60	10.87	13.71	10.96	13.81	11.04	13.92	11.13	14.02	11.21	14.13	11.29	14.23	11.37
Module Efficiency	23.0%		23.3%		23.5%		23.8%		24.0%		24.3%		24.5%		24.8%	

30-year Linear Performance Curve



* The unmarked tolerance is ± 2 mm
Length shown in mm

STRUCTURAL CHARACTERISTICS

Dimension (L*W*H)	1762*1134*30mm
Weight (kg)	21.1kg ± 3%
Cell type	N-Type ABC
No. of Cells	108(6*18)
Glass	3.2mm 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 - +70°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 A

Contact us: info@hosunenergy.com

HOSUN-A-MCE54Mb

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