

HOSUN

MONO GLASS

BACK CONTACT
SOLAR MODULE

HO-Lite

530 – 555W

HOSUN-A-MCE60Mb

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



555W

Power Output Up To

25.0%

Maximum Efficiency

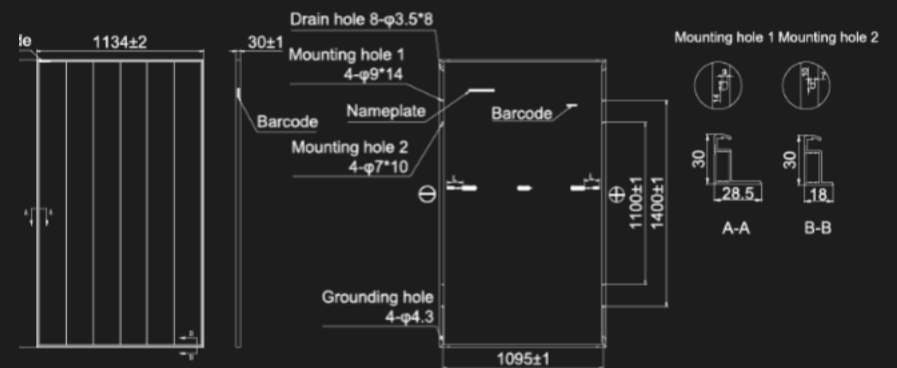
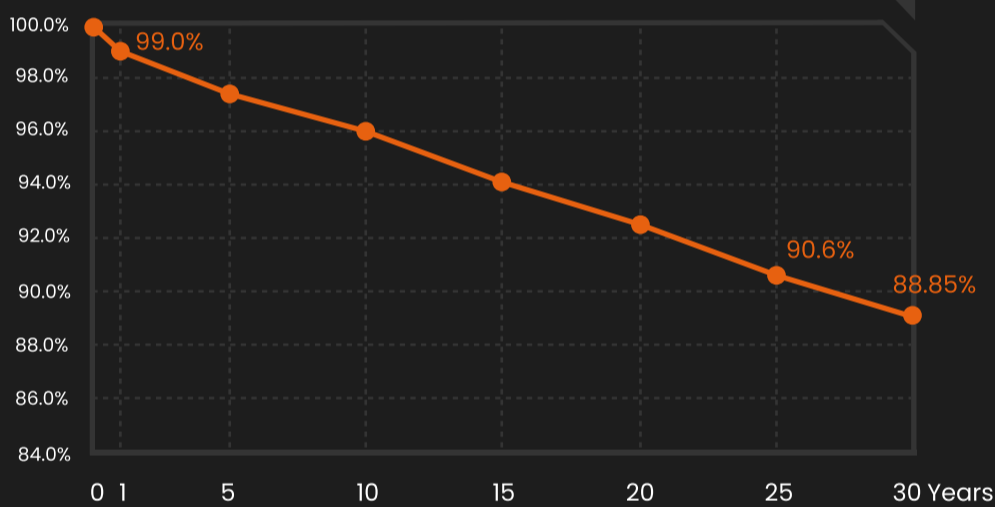
20 Years

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-A530 -MCE60Mb		HOSUN-A535 -MCE60Mb		HOSUN-A540 -MCE60Mb		HOSUN-A545 -MCE60Mb		HOSUN-A550 -MCE60Mb		HOSUN-A555 -MCE60Mb	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P_{max} [W]	530	402	535	405	540	409	545	413	550	417	555	421
V_{oc} [V]	45.40	43.07	45.50	43.17	45.60	43.26	45.70	43.36	45.80	43.45	45.90	43.55
V_{mp} [V]	38.20	36.24	38.30	36.34	38.40	36.43	38.50	36.53	38.60	36.62	38.70	36.72
I_{sc} [A]	14.76	11.93	14.80	11.96	14.84	11.99	14.88	12.02	14.92	12.06	14.96	12.09
I_{mp} [A]	13.88	11.10	13.97	11.17	14.07	11.25	14.16	11.32	14.25	11.40	14.35	11.47
Module Efficiency	23.9%		24.1%		24.4%		24.6%		24.8%		25.0%	

30-year Linear Performance Curve



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

STRUCTURAL CHARACTERISTICS

Dimension (L*W*H)	1954*1134*30mm
Weight (kg)	23.2kg ± 3%
Cell type	N-Type ABC
No. of Cells	120(6*20)
Glass	3.2mm tempered glass
Frame	Black anodized aluminum
Cable	4mm ² (IEC) 12AWG(UL) ±1200mm
Junction Box	IP68, 3 bypass diodes
Connector	Staubli Electrical Connectors AG – MC4 EVO2 Series PV-KST4-EVO 2/xy_UR (Male), PV-KBT4-EVO 2/xy_UR (Female)
Package Detail	37pcs per pallet / 185pcs per 20'GP / 888pcs 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	35 mm diameter hail at 27.2 m/s
Fire Rating	IEC Class C

Contact us: info@hosunenergy.com

HOSUN-A-MCE60Mb

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