

# HOSUN

## DUAL GLASS

BACK CONTACT  
SOLAR MODULE

*HO-Lite*

**480 – 490W**

HOSUN-A-MCE54Db

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



# 490W

Power Output Up To

# 24.5%

Maximum Efficiency

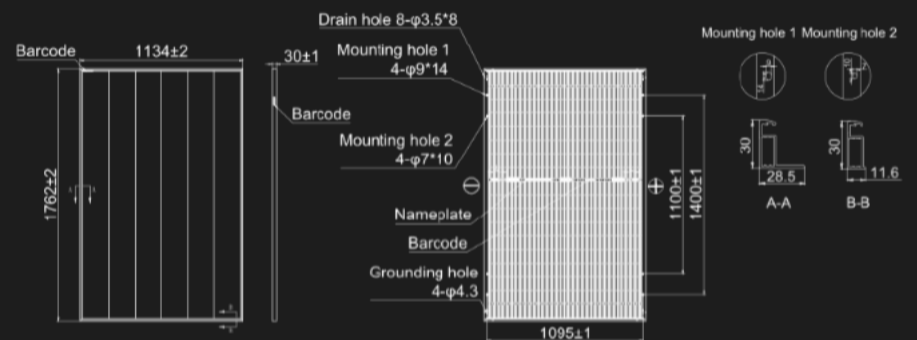
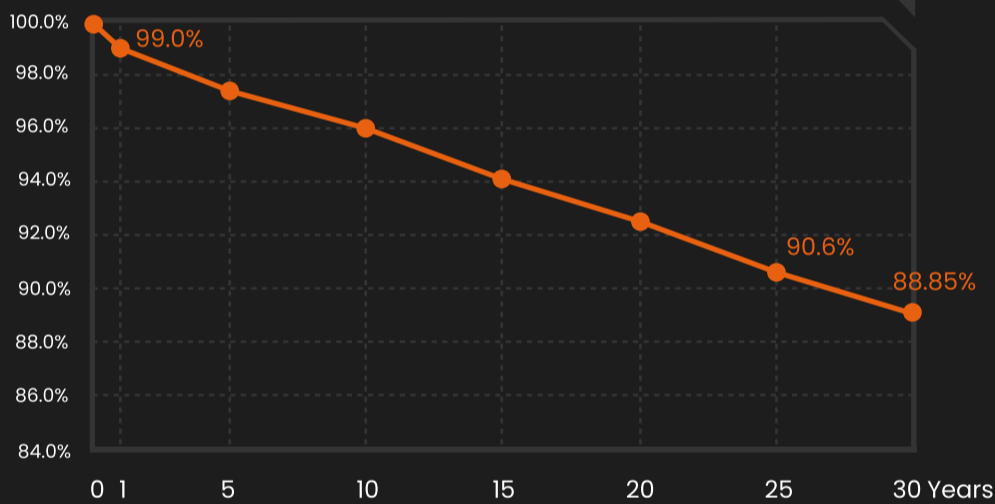
# 20 Years

Performance Guarantee

## Electrical Characteristics (STC: AM1.5 1000W/m<sup>2</sup> 25°C NOCT: AM1.5 800W/m<sup>2</sup> 20°C 1m/s Power Tolerance:0~+3%)

Module Type	HOSUN-A480 -MCE54Db		HOSUN-A485 -MCE54Db		HOSUN-A490 -MCE54Db	
	STC	NOCT	STC	NOCT	STC	NOCT
P <sub>max</sub> [W]	480	364	485	367	490	371
V <sub>oc</sub> [V]	40.90	38.80	41.00	38.90	41.10	38.99
V <sub>mp</sub> [V]	34.50	32.73	34.60	32.83	34.70	32.92
I <sub>sc</sub> [A]	14.80	11.96	14.84	11.99	14.88	12.02
I <sub>mp</sub> [A]	13.92	11.13	14.02	11.21	14.13	11.29
Module Efficiency	<b>24.0%</b>		<b>24.3%</b>		<b>24.5%</b>	

## 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)	24.2kg ± 3%
Cell type	N-Type ABC
No. of Cells	108(6*18)
Glass	Dual glass, 2.0+2.0mm coated semi tempered glass
Frame	Black anodized aluminum
Cable	4mm <sup>2</sup> (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 <sub>sc</sub>	+ 0.05% / °C
Temperature Coefficient of V <sub>oc</sub>	- 0.22% / °C
Temperature Coefficient of P <sub>max</sub>	- 0.26% / °C

## Installation Guide

Operation Temperature	-40°C - +70°C
Maximum Series Fuse Rating	30A
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

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HOSUN-A-MCE54Db

Ver.20260604EN

**HOSUN** [www.HosunEnergy.com](http://www.HosunEnergy.com)

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