

HOSUN

DUAL GLASS

BACK CONTACT
SOLAR MODULE

HO-Lite

455 - 470W

HOSUN-A-MAH54Db

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



470W

Power Output Up To

23.6%

Maximum Efficiency

20 Years

Performance Guarantee

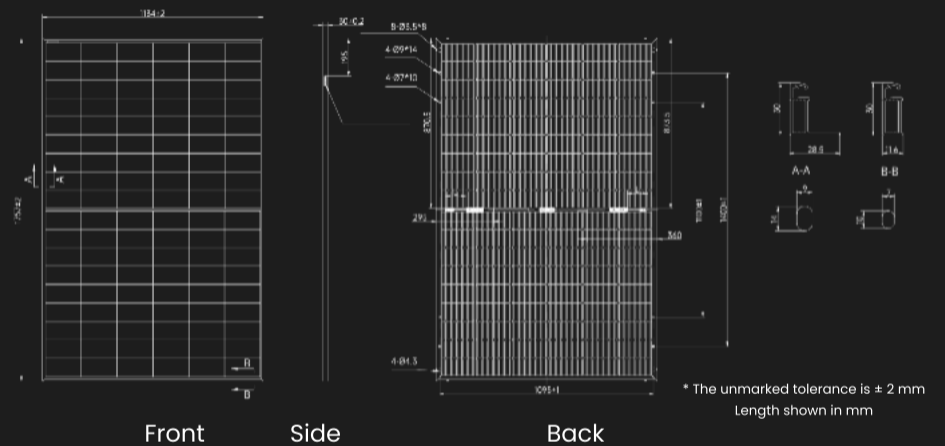
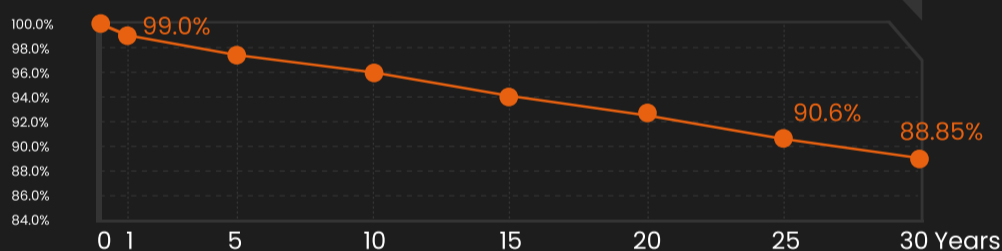
Electrical Characteristics (STC: AM1.5 1000W/m² 25°C BNPI: AM1.5, front 1000W/m², rear 135W/m², 25°C Power Tolerance:0~+3%)

Module Type	HOSUN-A455 -MAH54Db		HOSUN-A460 -MAH54Db		HOSUN-A465 -MAH54Db		HOSUN-A470 -MAH54Db	
	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
P _{max} [W]	455	475	460	480	465	485	470	490
V _{oc} [V]	41.00	41.00	41.06	41.06	41.12	41.12	41.18	41.18
V _{mp} [V]	34.56	34.56	34.62	34.62	34.68	34.68	34.74	34.74
I _{sc} [A]	14.22	14.83	14.25	14.93	14.29	15.03	14.32	15.13
I _{mp} [A]	13.17	13.75	13.29	13.87	13.41	13.99	13.54	14.11
Module Efficiency	22.8%		23.1%		23.3%		23.6%	

Electrical Characteristics (reference to 5% & 10% backside power gain)

Backside Power Gain	5%		10%		5%		10%		5%		10%	
	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
P _{max} [W]	478	501	483	506	488	512	494	517	494	517	494	517
V _{oc} [V]	41.00	41.00	41.06	41.06	41.12	41.12	41.18	41.18	41.18	41.18	41.18	41.18
V _{mp} [V]	34.56	34.56	34.62	34.62	34.68	34.68	34.74	34.74	34.74	34.74	34.74	34.74
I _{sc} [A]	14.93	15.64	14.96	15.68	15.00	15.72	15.04	15.75	15.04	15.75	15.04	15.75
I _{mp} [A]	13.83	14.49	13.95	14.62	14.08	14.75	14.22	14.89	14.22	14.89	14.22	14.89

30-year Linear Performance Curve



STRUCTURAL CHARACTERISTICS

Dimension (L*W*H)	1757*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 ² (IEC) 12AWG(UL) ±1200mm
Junction Box	IP68, 3 bypass diodes
Connector	PV-KST4-EVO 2A/6I/ PV-KBT4-EVO 2A/6I from Staubli ElectricalConnectors AG
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	35 mm diameter hail at 27.2 m/s
Fire Rating	IEC Class A

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HOSUN-A-MAH54Db

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