

# HOSUN

## DUAL GLASS

BACK CONTACT  
SOLAR MODULE

**HO-Pro**

**610 – 630W**

HOSUN-A-MAH72Dw

**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



# 630W

Power Output Up To

# 24.4%

Maximum Efficiency

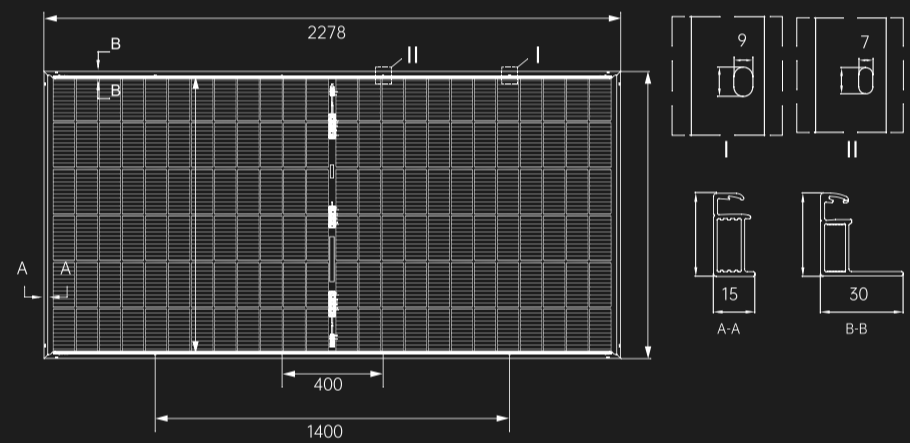
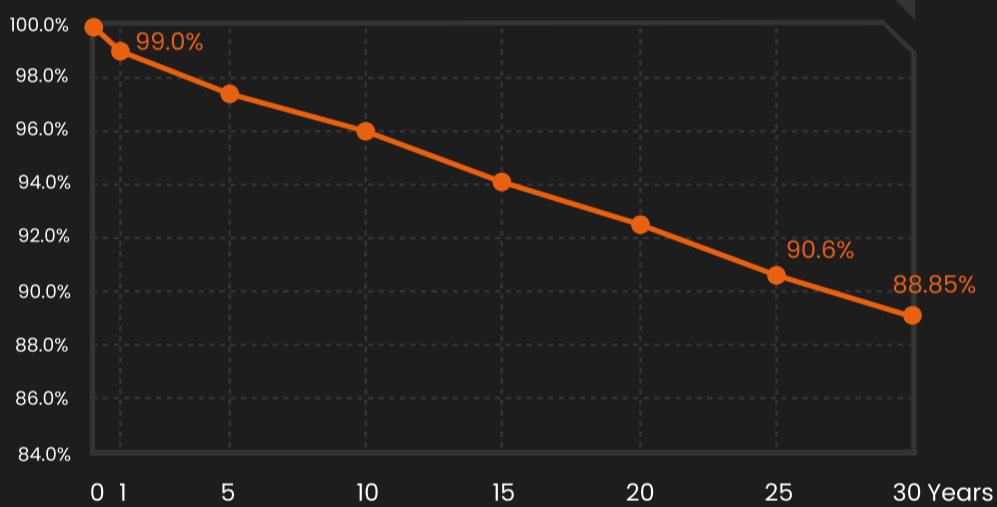
# 20 Years

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-A610 -MAH72Dw		HOSUN-A615 -MAH72Dw		HOSUN-A620 -MAH72Dw		HOSUN-A625 -MAH72Dw		HOSUN-A630 -MAH72Dw	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
<b>P<sub>max</sub></b> [W]	610	459	615	463	620	467	625	471	630	474
<b>V<sub>oc</sub></b> [V]	54.34	51.32	54.44	51.41	54.57	51.53	54.70	51.66	54.83	51.78
<b>V<sub>mp</sub></b> [V]	45.00	42.50	45.10	42.59	45.20	42.69	45.30	42.78	45.40	42.87
<b>I<sub>sc</sub></b> [A]	14.30	11.57	14.38	11.63	14.46	11.70	14.54	11.76	14.62	11.83
<b>I<sub>mp</sub></b> [A]	13.56	10.82	13.64	10.89	13.72	10.95	13.80	11.01	13.88	11.08
<b>Module Efficiency</b>	<b>23.6%</b>		<b>23.8%</b>		<b>24.0%</b>		<b>24.2%</b>		<b>24.4%</b>	

## 30-year Linear Performance Curve



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

## STRUCTURAL CHARACTERISTICS

<b>Dimension (L*W*H)</b>	2278*1134*30mm
<b>Weight (kg)</b>	32.5kg ± 3%
<b>Cell type</b>	N-Type ABC
<b>Bifacial Factor</b>	70 ± 5%
<b>No. of Cells</b>	144(6*24)
<b>Glass</b>	Dual glass, 2.0+2.0mm coated semi tempered glass
<b>Frame</b>	Anodized aluminum
<b>Cable</b>	4mm <sup>2</sup> (IEC) 12AWG(UL) +400mm, -200mm/±1400mm or Customized Length
<b>Junction Box</b>	IP68, 3 bypass diodes
<b>Connector</b>	MC4 compatible / MC4-Evo2
<b>Package Detail</b>	36 pcs per pallet / 180 pcs per 20'GP / 720 pcs per 40'HC

## Temperature Ratings (STC)

<b>Temperature Coefficient of I<sub>sc</sub></b>	+ 0.05% / °C
<b>Temperature Coefficient of V<sub>oc</sub></b>	- 0.22% / °C
<b>Temperature Coefficient of P<sub>max</sub></b>	- 0.26% / °C

## Installation Guide

<b>Operation Temperature</b>	-40°C - +85°C
<b>Maximum Series Fuse Rating</b>	25A
<b>Protection Class</b>	Class II
<b>Maximum System Voltage</b>	DC1500V
<b>Maximum Static Loading</b>	+5400Pa / -2400Pa
<b>Hail Test</b>	35 mm diameter hail at 27.2 m/s
<b>Fire Rating</b>	IEC Class C

Contact us: [info@hosunenergy.com](mailto:info@hosunenergy.com)

HOSUN-A-MAH72Dw

Ver.20260604EN

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

Technical and financial parameters in this datasheet may vary by region. HOSUN warrants not for their absolute accuracy. We reserve the right to amend any info herein without prior notice, due to our ongoing innovation & product improvement efforts. Clients are strongly advised to obtain the latest edition of this datasheet and integrate it as an integral part of the legally binding agreement signed by both parties.