

# HOSUN

## MONO GLASS

BACK CONTACT  
SOLAR MODULE

**HO-Max**

**640 – 670W**

HOSUN-G-MCH72Mw

**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



# 670W

Power Output Up To

# 24.8%

Maximum Efficiency

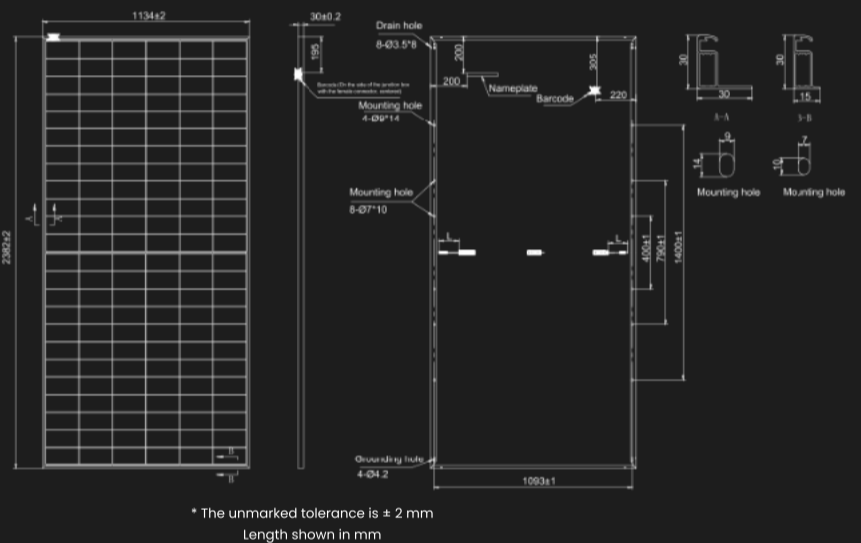
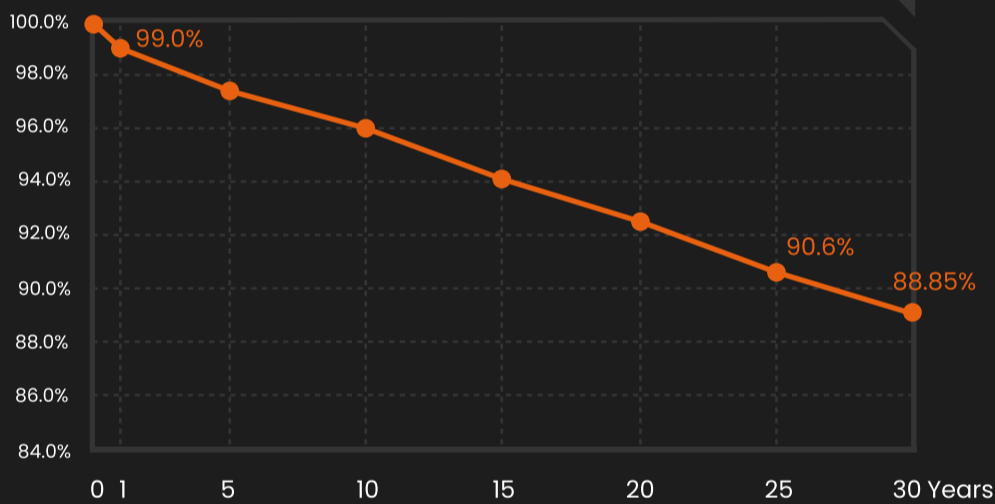
# 20 Years

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-G640 -MCH72Mw		HOSUN-G645 -MCH72Mw		HOSUN-G650 -MCH72Mw		HOSUN-G655 -MCH72Mw		HOSUN-G660 -MCH72Mw		HOSUN-G665 -MCH72Mw		HOSUN-G670 -MCH72Mw	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
<b>P<sub>max</sub> [W]</b>	640	482	645	486	650	490	655	493	660	497	665	501	670	505
<b>V<sub>oc</sub> [V]</b>	54.20	51.18	54.30	51.28	54.40	51.37	54.50	51.47	54.60	51.56	54.70	51.66	54.80	51.75
<b>V<sub>mp</sub> [V]</b>	44.90	42.40	45.00	42.50	45.10	42.59	45.20	42.69	45.30	42.78	45.40	42.87	45.50	42.97
<b>I<sub>sc</sub> [A]</b>	15.00	12.13	15.06	12.18	15.12	12.23	15.18	12.28	15.24	12.32	15.30	12.37	15.36	12.42
<b>I<sub>mp</sub> [A]</b>	14.26	11.38	14.34	11.44	14.42	11.51	14.50	11.57	14.57	11.63	14.65	11.69	14.73	11.76
<b>Module Efficiency</b>	<b>23.7%</b>		<b>23.9%</b>		<b>24.1%</b>		<b>24.2%</b>		<b>24.4%</b>		<b>24.6%</b>		<b>24.8%</b>	

## 30-year Linear Performance Curve



## STRUCTURAL CHARACTERISTICS

<b>Dimension (L*W*H)</b>	2382*1134*30mm
<b>Weight (kg)</b>	27.1kg ± 3%
<b>Cell type</b>	N-Type ABC
<b>No. of Cells</b>	144(6*24)
<b>Glass</b>	3.2 mm 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 / Original MC4-EVO2A
<b>Package Detail</b>	36 pcs per pallet / 144 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>	25 mm diameter hail at 23 m/s
<b>Fire Rating</b>	IEC Class C

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HOSUN-G-MCH72Mw

Ver.20260604EN

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