

HOSUN

DUAL GLASS

BACK CONTACT
SOLAR MODULE

HO-Max

645 – 680W

HOSUN-A-GRH66Dw

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



680W

Power Output Up To

25.2%

Maximum Efficiency

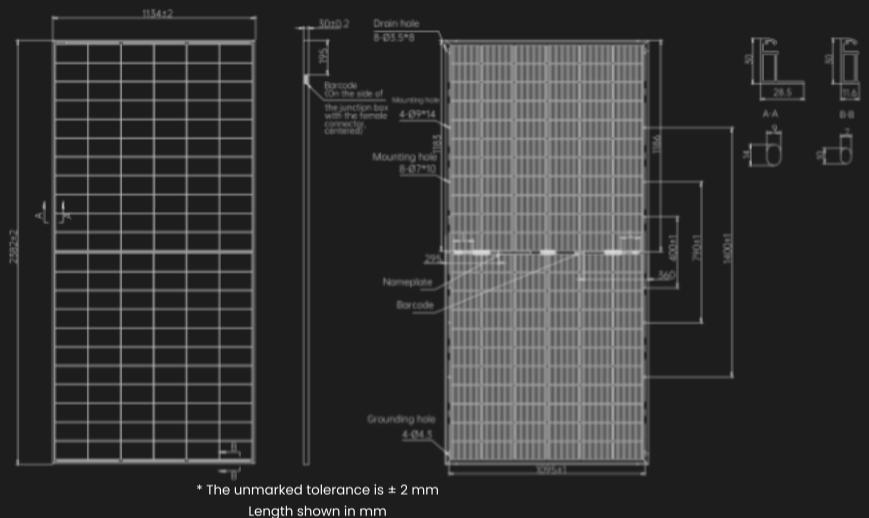
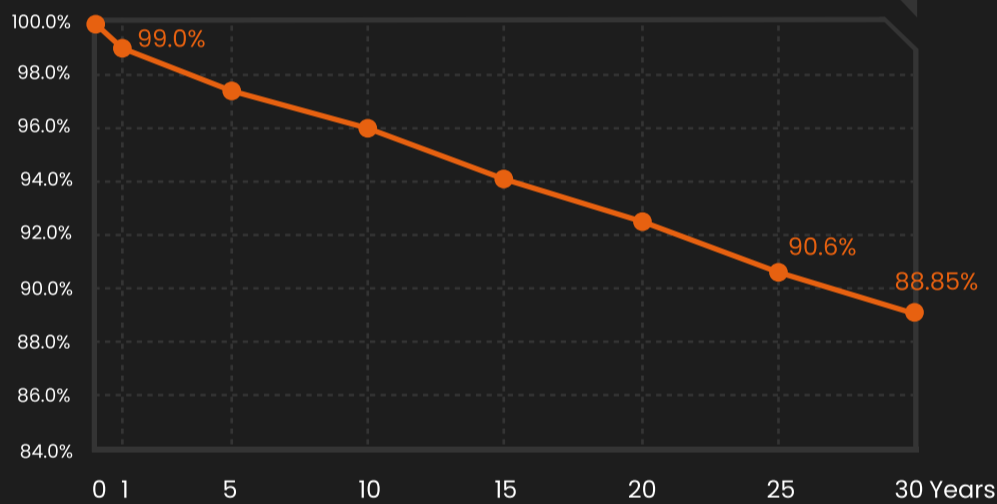
20 Years

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-A645 -GRH66Dw		HOSUN-A650 -GRH66Dw		HOSUN-A655 -GRH66Dw		HOSUN-A660 -GRH66Dw		HOSUN-A665 -GRH66Dw		HOSUN-A670 -GRH66Dw		HOSUN-A675 -GRH66Dw		HOSUN-A680 -GRH66Dw	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P_{max} [W]	645	491	650	495	655	499	660	503	665	507	670	511	675	514	680	518
V_{oc} [V]	49.60	47.42	49.70	47.52	49.80	47.62	49.90	47.72	50.00	47.82	50.10	47.91	50.20	48.01	50.30	48.10
V_{mp} [V]	40.59	38.90	40.68	38.98	40.80	39.08	40.90	39.18	41.00	39.27	41.11	39.37	41.21	39.46	41.32	39.56
I_{sc} [A]	16.55	13.35	16.64	13.42	16.72	13.48	16.80	13.54	16.88	13.60	16.96	13.66	17.04	13.71	17.12	13.77
I_{mp} [A]	15.89	12.62	15.98	12.69	16.06	12.76	16.14	12.83	16.22	12.90	16.30	12.97	16.38	13.03	16.46	13.09
Module Efficiency	23.9%		24.1%		24.2%		24.4%		24.6%		24.8%		25.0%		25.2%	

30-year Linear Performance Curve



STRUCTURAL CHARACTERISTICS

Dimension (L*W*H)	2382*1134*30mm
Weight (kg)	32.5kg ± 3%
Cell type	N-Type ABC
Bifacial Factor	75 ± 5%
No. of Cells	132(6*22)
Glass	Dual glass, 2.0+2.0mm coated semi tempered glass
Frame	Anodized aluminum
Cable	4mm ² (IEC) 12AWG(UL) +400mm, -200mm/±1400mm or Customized Length
Junction Box	IP68, 3 bypass diodes
Connector	MC4 Compatible/Original MC4-EVO2A
Package Detail	36 pcs per pallet / 144 pcs per 20'GP / 720 pcs 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	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

Contact us: info@hosunenergy.com

HOSUN-A-GRH66Dw

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