

Honor Solar

HY-M12/132G

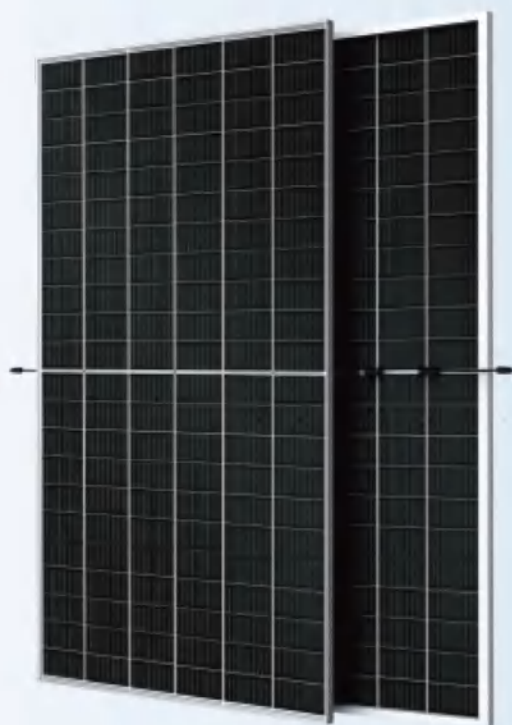
Monocrystalline Module

695-730W

HJT



1088 (210mm)



730W

Maximum Power Output

23.5%

Maximum Module Efficiency

0~+5W

Power Output Guarantee



Ideal choice for large scale ground installation



Selected encapsulating material and stringent production process control ensure the product is highly PID resistant and snail trails free



Special cutting and soldering technology leads to low hotspot risk



Sand blowing test, salt mist test and ammonia test passed to endure harsh environments



Optimized system performance due to module level current sorting

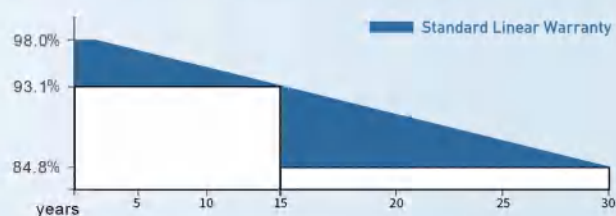


Highly transparent self-cleaning glass brings additional yield and easy maintenance

Delivers Reliable Performance Over Time

- manufacturer of crystalline silicon photovoltaic modules
- Fully automatic facility and world-class technology
- Rigorous quality control to meet the highest standard: ISO9001:2015, ISO14001: 2015 and OHSAS: 18001 2007
- Tested for harsh environments (salt mist, ammonia corrosion and sand blowing test: IEC 61701, IEC 62716, DIN EN 60068-2- 68)
- Long term reliability tests
- 2x100% EL inspection ensuring defect-free modules

Linear Performance Warranty



15 Years Product Warranty 30 Years Linear Power Warranty

* Please refer to standard warranty for details

Product certification



HY-M12/132G Monocrystalline Module 695-730W

HJT

STC/NMOT

STC (Standard Test Conditions): Irradiance 1000 W/m², Cell temperature: 25°C, AM1.5.
NMOT (Nominal Module Operating Temperature): Irradiance 800 W/m², AM1.5, temperature 20°C, wind speed 1 m/s.

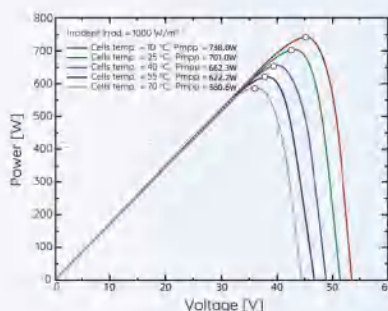
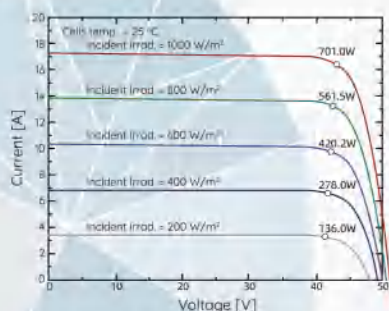
Model	695		700		705		710		715		720		725		730	
Power Tolerance (0~+5W)	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
P _{max} (W)	695	583	700	588	705	592	710	597	715	602	720	607	725	612	730	617
V _{mp} (V)	43.02	40.82	43.21	41.01	43.40	41.20	43.53	41.33	43.66	41.46	43.79	41.59	43.92	41.72	44.05	41.85
I _{mp} (A)	16.18	14.28	16.23	14.33	16.27	14.37	16.34	14.44	16.41	14.51	16.48	14.58	16.55	14.65	16.62	14.72
V _{oc} (V)	49.10	46.50	49.17	46.57	49.24	46.64	49.30	46.70	49.36	46.76	49.42	46.82	49.48	46.88	49.54	46.94
I _{sc} (A)	17.22	15.22	17.31	15.31	17.39	15.39	17.47	15.47	17.55	15.55	17.63	15.63	17.71	15.71	17.79	15.79
Panel Efficiency (%)	22.4		22.5		22.7		22.9		23.0		23.2		23.3		23.5	

BSTC

BSTC (Bifacial Standard Test Conditions): Front side irradiance 1000W/m², Back side reflection irradiance 135W/m², AM=1.5, ambient temperature 25°C.

Model	695		700		705		710		715		720		725		730	
Power Tolerance (0~+5W)	BSTC		BSTC		BSTC		BSTC		BSTC		BSTC		BSTC		BSTC	
P _{max} (W)	765		770		775		780		785		790		795		800	
V _{mp} (V)	43.02		43.21		43.40		43.53		43.66		43.79		43.92		44.05	
I _{mp} (A)	17.85		17.90		17.95		18.02		18.09		18.16		18.23		18.30	
V _{oc} (V)	49.10		49.17		49.24		49.30		49.36		49.42		49.48		49.54	
I _{sc} (A)	18.99		19.09		19.18		19.27		19.36		19.45		19.54		19.63	

Electrical Curves:



Mechanical Specification

Solar Cell Type	132 half-cut, N-Type, HJT cells
Module Dimensions (mm)	2384×1303×35
Module Weight (kg)	38.5
Front Cover	Solar glass, 2.0 mm, with anti-reflective surface
Back Cover	Solar glass, 2.0 mm
Frame	Anodized aluminum
Junction Box	3 diodes, IP68 rated, in accordance with IEC 62790
Cables	PV cable 4 mm ² , 0.3 m length, in accordance with EN 50618 (or Customized Length)
Connectors	MC4-Evo2, in accordance with IEC 62852, IP68 rated only when connected
Packing	31 pieces/Pallet, 558 pieces / 40'HQ Container

Properties of System Design

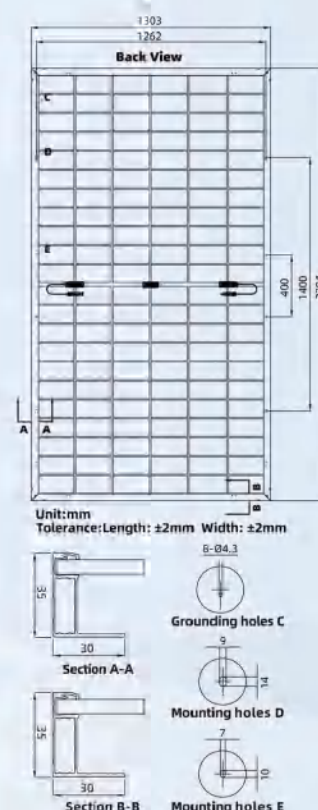
Maximum System Voltage (V)	1500
Maximum Series Fuse Rating (A)	35
Max. Test Load +/- (incl. Safety Factor of 1.5) (Pa)	5400/2400
Fire class according to EN 13501-1	CLASS C (EN13501-1)
Operating Temperature (°C)	-40 to +85

Warranty

Product Warranty (Y)	12
Power Warranty (Y)	30
Power after 1 Year	≥98.5% of nominal Power
Annual Degradation (%/Y)	0.4
Power after 30 years	≥89% of nominal Power

Temperature Coefficients

Temperature coefficient of I _{sc}	+0.026 %/°C
Temperature coefficient of V _{oc}	-0.223 %/°C
Temperature coefficient of P _{max}	-0.243 %/°C
Nominal Module Operating Temperature (NMOT)	43±3/°C



*The specifications and key features contained in this datasheet may deviate slightly from our actual products due to the ongoing innovation and product enhancement. Golden Solar reserves the right to make necessary adjustment to the information described herein at anytime without further notice.