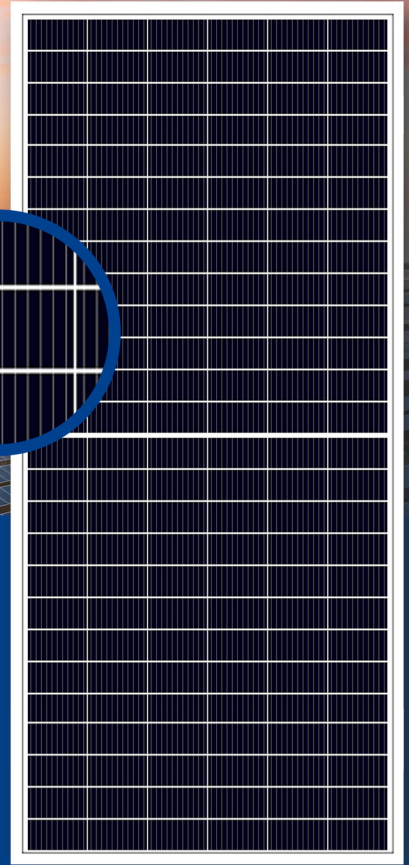




MBB HC TECHNOLOGY



AOX-66G12HC 670W-700W

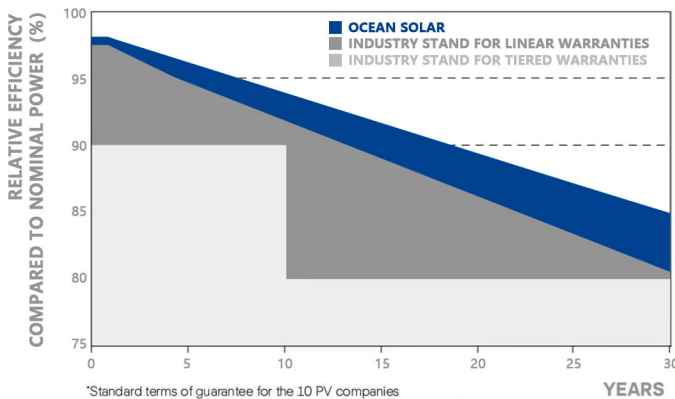
2395*1305*35mm
DIMENSIONS

132 CELLS
SOLAR HALF CELLS

EFF: 22.40%
MAX MODULE EFFICIENCY

0 to +5W
POSITIVE POWER TOLERANCE

WORLD SHINES BECAUSE OF YOU



*Standard terms of guarantee for the 10 PV companies with the highest production capacity in 2014 (as at: September 2014)



LINEAR PERFORMANCE WARRANTY



Multi Busbar Technology

Better light trapping and current collection to improve module power output and reliability.



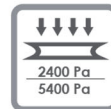
Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



Reduced Hot Spot Loss

Optimized electrical design and lower operating current for reduced hot spot loss and better temperature coefficient.



Enhanced Mechanical Load

Certified to withstand : wind load (2400 Pascal) and snow load (5400 Pascal).



PID Resistance

Excellent Anli-PID performance guarantee via optimized mass-production process and materials control.



More Safty

Choose excellent Tier One brands as supply chain partners to ensure long-term reliability and higher safety level.

SPECIFICATIONS

MODULE TYPE

AOX-66G12HC670W

AOX-66G12HC680W

AOX-66G12HC690W

AOX-66G12HC700W

	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	670Wp	508Wp	680Wp	515Wp	690Wp	522Wp	700Wp	530Wp
Maximum Power Voltage (Vmp)	38.20V	35.60V	38.60V	36.00V	39.00V	36.40V	39.40V	36.80V
Maximum Power Current (Imp)	17.55A	14.26A	17.62A	14.31A	17.70A	14.34A	17.77A	14.40A
Open Circuit Voltage (Voc)	46.10V	43.40V	46.50V	43.80V	46.90V	44.20V	47.40V	44.60V
Short Circuit Current (Isc)	18.62A	15.01A	18.67A	15.06A	18.72A	15.11A	18.77A	15.16A
Module Efficiency STC (%)	21.44%		21.76%		22.08%		22.40%	
Operating Temperature(°C)	-40~+85 °C							
Maximum system voltage	1000/1500VDC(IEC)							
Maximum series fuse rating	25A							
Power tolerance	0~+5W							
Temperature coefficient of Pmax	-0.35%/°C							
Temperature coefficient of Voc	-0.28%/°C							
Temperature coefficient of Isc	0.048%/°C							
Nominal operating cell temperature (NOCT)	45±2°C							

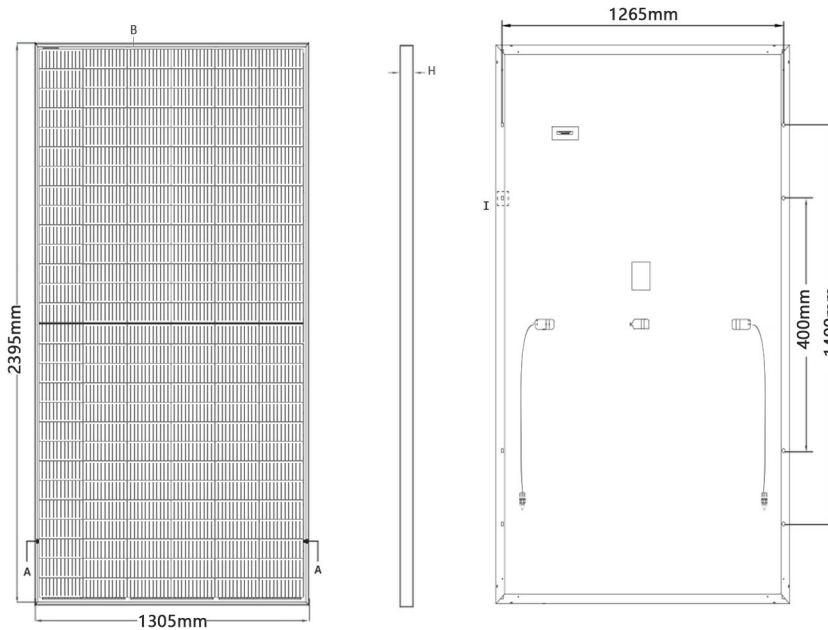
Mechanical Characteristics

Cell Type	Monocrystalline
No.of cells	6*22 (132) solar half cells
Dimensions	2395*1305*35mm
Weight	33.0kg
Front Glass	3.2mm, High Transmission, AR Coated Heat Strengthened Glass
Frame	35mm Anodized Aluminium Alloy
Junction Box	IP 68 3 diodes
Cables	4.0mm ² solar cable(IEC) (+)≥1200mm (-)≥1200mm

Packaging Configuration

31pcs/pallets,558pcs/ 40HQ Container

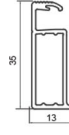
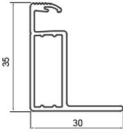
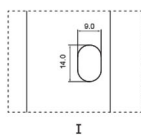
STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5. *Measuring tolerance: +3%.
NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s



Front

Side

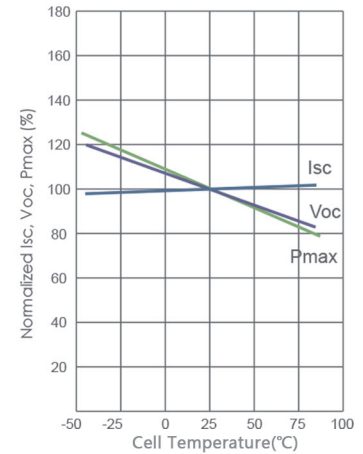
Back



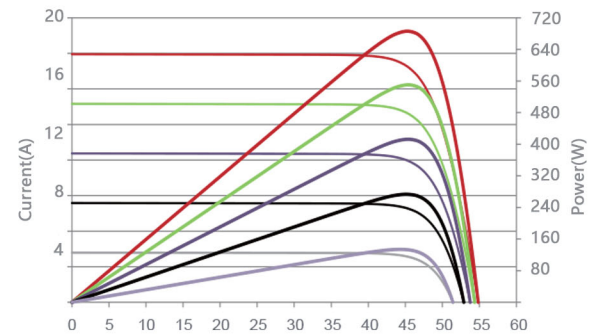
Length: ±2mm
Width: ±2mm
Height: ±1mm
Row Pitch: ±2mm

A-A

B-B



Temperature Dependence of Isc,Voc,Pmax



Current-Voltage & Power-Voltage Curves



Ocean Solar Co.,Ltd
E-mail:info@oceansolar.cn
Web:www.oceansolar.cn

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Specifications included in this datasheet are subject to change without notice.

