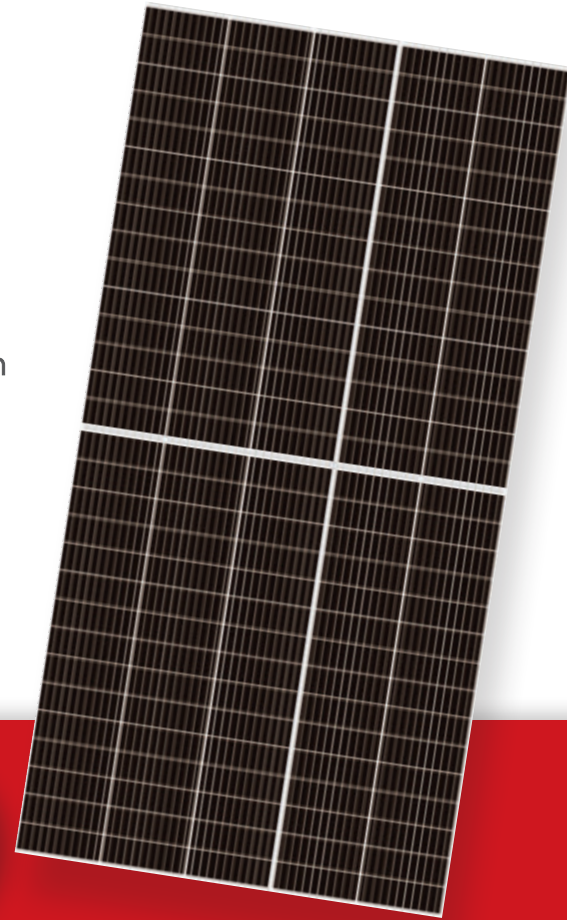




HONE® (SERIES 601)

485-505W Mono

HONE® Series 601 modules with the innovation of M12 size (210mm) solar cells for the highest power generation and the lowest LCOE, which makes Series 601 the optimal choice for large solar power plants. The gallium-doped wafer technology greatly enhances the performance against LID. In addition, the latest integrated segmented ribbon technology increases the power output while enhancing module reliability for long-term use.



**M12/210mm Cell.
150 1/3-Cell Layout**

**25 years
Power
Warranty**

**12 years
Product
Warranty**



Ideal Choice For Large Scale Ground Installation



Gallium-doped Technology



Less Hot Spot Shading Effects



High Density Interconnect Technology

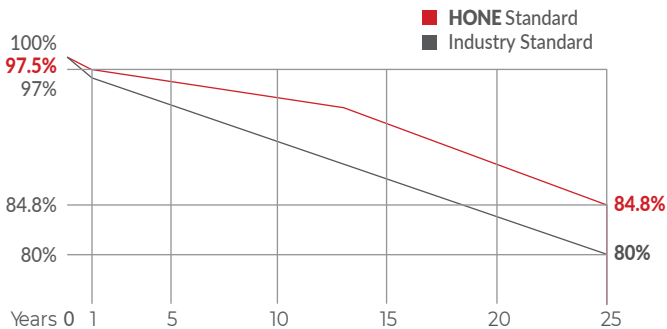


Anti-PID, LowLID Performance



Lower BOS & LCOE

Linear performance Warranty



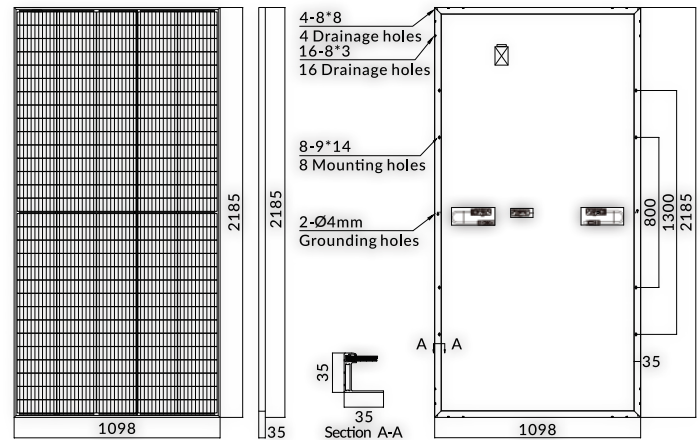
Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730



Mechanical Characteristics

Solar Cells	Mono
No. of Cells	150 (5x30)
Dimensions	2185 x 1098 x 35mm
Weight	26.5kgs
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated (3 by pass diodes)
Output Cables	4.0mm ²
	300mm (+) / 300mm (-)
	Length can be customized
Connectors	MC4 Compatible
Mechanical load test	5400Pa

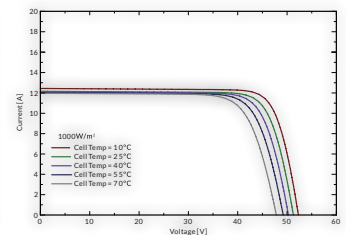
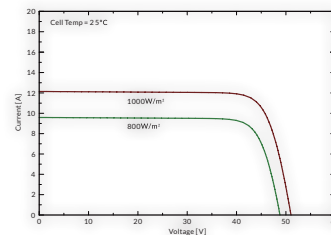


Electrical Parameters

POWER CLASS	HONE-485W		HONE-490W		HONE-495W		HONE-500W		HONE-505W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (Pmax)	485W	367W	490W	371W	495W	375W	500W	379W	505W	383W
Open Circuit Voltage (Voc)	51.21V	48.66V	51.36V	48.82V	51.52V	48.95V	51.68V	49.08V	51.83V	49.21V
Short Circuit Current (Isc)	12.02A	9.70A	12.09A	9.75A	12.16A	9.81A	12.23A	9.86A	12.30A	9.92A
Voltage at Maximum power (Vmpp)	42.32V	39.98V	42.50V	40.15V	42.67V	40.35V	42.84V	40.54V	43.02V	40.73V
Current Maximum Power (Impp)	11.46A	9.18A	11.53A	9.24A	11.60A	9.29A	11.67A	9.35A	11.74A	9.40A
MODULE EFFICIENCY (%)	20.22%		20.42%		20.63%		20.84%		21.05%	

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G NOCT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

PACKING CONFIGURATION	HONE-490W	
Container	-	40'HQ
Pieces per pallet	-	31
Pallets per container	-	20
Pieces per container	-	620



Operating Characteristics

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	20A
Power Tolerance	0/+5W

Temperature Characteristics

Nominal Operating Temperature (Noct)	43±2°C
Temperature Coefficient of Pmax	-0.34%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.04%/°C

Note: Due to continuous technical innovation, R&D and improvements, technical data mentioned above may be subject to modification accordingly. Photonomi & HONE have the right to make such modifications without further notice.
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