

Phono® Solar

Premium Plus Module

Mono/300-315W



More Power

Higher conversion efficiency, more power production per unit area



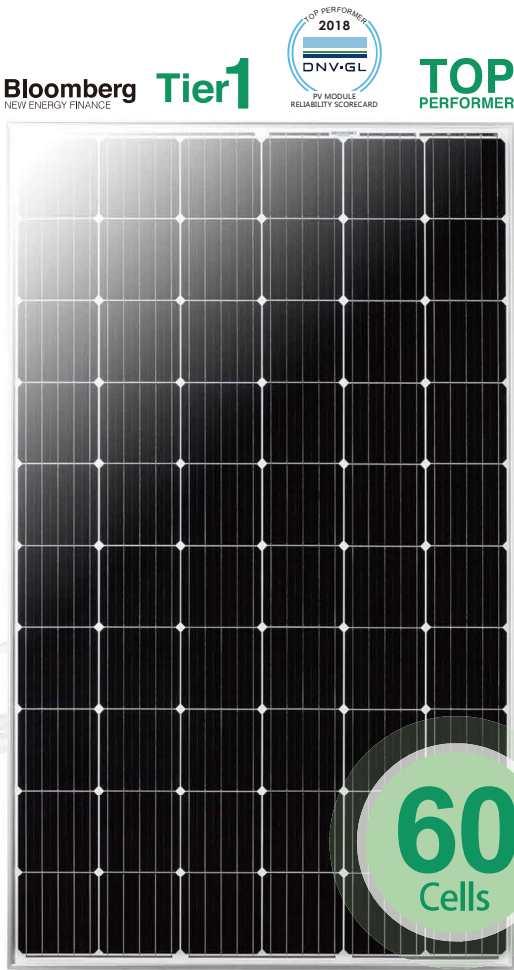
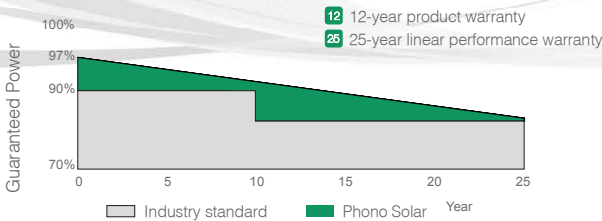
Lower System Cost

Higher conversion efficiency helps to save transportation-, installation- and BoS cost



Better Low-light Performance

Enhanced spectral response at longer wave length boosts low-light performance, which can produce more than 3% additional power compared with conventional module at system side



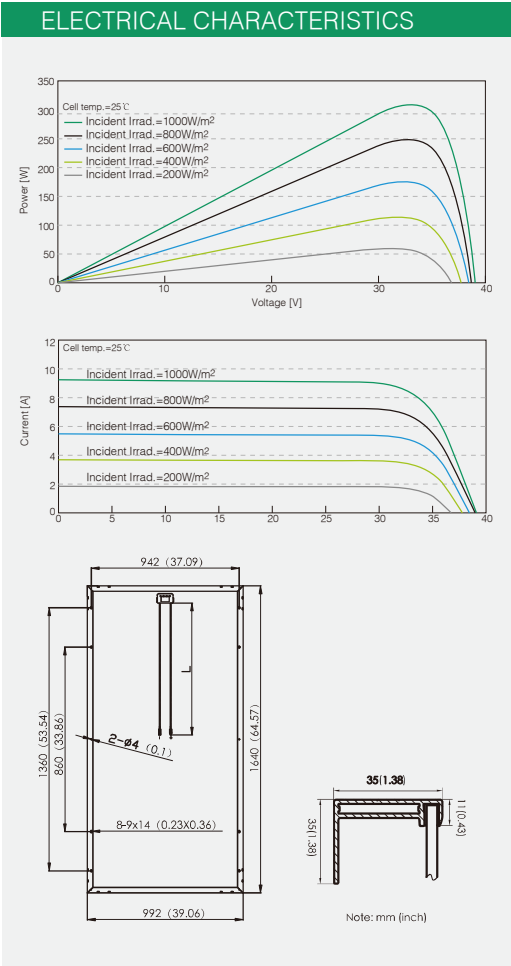
ELECTRICAL TYPICAL VALUES				
Model	PS300M-20/U PS300MH-20/U	PS305M-20/U PS305MH-20/U	PS310M-20/U PS310MH-20/U	PS315M-20/U PS315MH-20/U
Type	Monocrystalline 6 inch x 6 inch square, 6 × 10 pieces in series			
Rated Power (Pmpp)	300W	305W	310W	315W
Tolerance	0~+5w			
Rated Current (Impp)	9.32	9.43	9.54	9.64
Rated Voltage (Vmpp)	32.19	32.35	32.50	32.68
Short Circuit Current (Isc)	9.82	9.87	9.92	9.98
Open Circuit Voltage (Voc)	39.90	40.00	40.10	40.20
Module Efficiency (%)	18.44	18.75	19.05	19.36
NOCT (Nominal Operation Cell Temperature)	45±2℃			
Voltage Temperature Coefficient	-0.288%/℃			
Current Temperature Coefficient	+0.047%/℃			
Power Temperature Coefficient	-0.398%/℃			

MECHANICAL CHARACTERISTICS	
Length: 1640mm (64.57 inch)	
Dimension (L× W × H)	Width: 992mm (39.06 inch)
	Height: 35mm (1.38 inch)
Weight	18kg (39.68 lbs)
Front Glass	3.2mm toughened glass
Frame	Anodized aluminium alloy
Cable	4mm² (IEC) , Length:900mm or Customized length
Junction Box	IP 68 rated

ABSOLUTE MAXIMUM RATING	
Parameter	Values
Operating Temperature	From -40 to +85℃
Hail Diameter @ 80km/h	Up to 25mm
Surface Maximum Load Capacity	Up to 5400Pa
Maximum Series Fuse Rating	20A
Application Class and Safety Class	II
Fire Rating (IEC61730)	C
Module Fire Performance (UL 1703)	Type1
Maximum System Voltage	DC 1000V/1500V (IEC/ETL)

PACKING CONFIGURATION		
Container	20' GP	40' HQ
Pieces/Container	312	896

1. In compliance with our warranty terms and conditions.
2. Measurement conditions under irradiance level of Standard Test Conditions(STC): 1000W/m²  
Air mass 1.5 Spectrum, cell temperature of 25°C.



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**Note:** This datasheet is not legally binding. Phono Solar Technology Co., Ltd. reserves the right to adjust specifications without notice. Further information please refer to our [Website:www.phonosolar.com](http://www.phonosolar.com), [E-mail:info@phonosolar.com](mailto:info@phonosolar.com)



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