# Phono Solar

# **TWINPLUS** MODULE SERIES

**HIGH EFFICIENCY MONO-PERC** 

350-370W



# **OUTSTANDING PRODUCT PERFORMANCE**

- Competitive high-temperature performance with ameliorated temperature coefficient
- Minimized power loss in cell connection
- Better performance under shading effect
- Decreased nominal operating cell temperature to 42 ± 2°C
- Higher power generation with multi-busbar and half-cut technology

# TRUSTWORTHY QUALITY AND RELIABILITY

- Guaranteed 0~+5W positive tolerance secures reliable power output
- 5400Pa maximum snow load, 2400Pa maximum wind load
- Optimized electrical design lowers hot spot risk and operating current

#### PID RESISTANT

 Industry-leading cell processing technology and electrical design ensure solid PID resistance



12-year Product Warranty 25-year Linear Performance Warranty

## MANAGEMENT SYSTEM CERTIFICATES

IEC 61215, IEC 61730

ISO 9001:2015 / Quality management system

ISO 14001:2015 / Standards for environmental management system

OHSAS 18001:2007 / International standards for occupational health & safety

IEC TS 62941: 2016 Terrestrial photovoltaic (PV) modules-guidelines for

increased confidence in PV module design qualification and type approval























ELECTRICAL TYPICAL VALUES										
Model	PS350M4H-20/UHB		PS355M4H-20/UHB		PS360M4H-20/UHB		PS365M4H-20/UHB		PS370M4H-20/UHB	
Testing Condition	STC	NOCT								
Rated Power (Pmpp)	350	263	355	266	360	270	365	274	370	278
Rated Current (Impp)	10.42	8.43	10.51	8.49	10.59	8.56	10.68	8.62	10.76	8.69
Rated Voltage (Vmpp)	33.60	31.20	33.80	31.40	34.00	31.60	34.20	31.80	34.40	32.00
Short Circuit Current (Isc)	11.01	8.82	11.08	8.98	11.15	9.04	11.22	9.10	11.29	9.17
Open Circuit Voltage (Voc)	41.10	37.90	41.30	38.20	41.50	38.40	41.70	38.50	41.90	38.70
Module Efficency (%)	19.21		19.49		19.76		20.04		20.31	

STC(Standard Testing Conditions):Irradiance 1000W/m², AM 1.5, Cell Temperature 25'C

NOCT (Nominal Operation Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/S

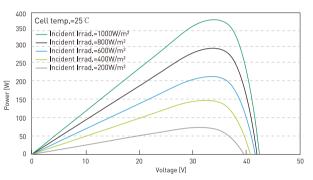
MECHANICAL CHARACTERISTICS		
Cell Type	Monocrystalline 166mm x 83mm	
	Length: 1755mm (69.09 inch)	
Dimension (L× W × H)	Width: 1038mm (40.87 inch) Height: 35mm (1.38 inch)	
Weight	20.3kg (44.75 lbs)	
Front Glass	3.2mm Toughened Glass	
Frame	Anodized Aluminium Alloy	
Cable	4mm² (IEC), (+): 450mm, (-): 250mm or Customized Length	
Junction Box	IP 68 Rated	

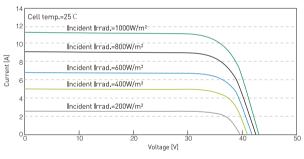
TEMPERATURE RATINGS	
Voltage Temperature Coefficient	-0.304%/'C
Current Temperature Coefficient	+0.050%/'C
Power Temperature Coefficient	-0.360%/'C
Tolerance	0~+5w
NOCT	42±2'C

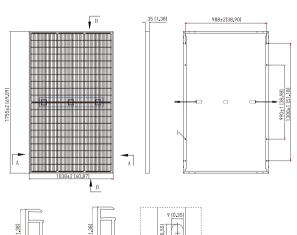
ABSOLUTE MAXIMUM RATING	
Operating Temperature	From -40 to +85°C
Hail Diameter @ 80km/h	Up to 25mm
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Maximum Series Fuse Rating	20A
PV Module Classification	II
Module Fire Performance (UL61703)	Type 1
Maximum System Voltage	DC 1500V

PACKING CONFIGURATION		
Container	20' GP	40' HQ
Pieces/Container	186	806

## **ELECTRICAL CHARACTERISTICS**







Note:mm (inch)





PHONO SOLAR TECHNOLOGY CO.,LTD reserves the right to make necessary adjustments to the information described herein at any time without further notice. The specifications and certificates contained in this datasheet may deviate slightly from our actual products due to the on-going innovation and product enhancement. Please be sure to use the most recent version of data.

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