

SUMEC

Phono[®] Solar
AUSTRALIA

370W

HIGH EFFICIENCY MONO-PERC

TWIN PLUS

MODULE SERIES

15 DIAMOND
YEAR DEALER
PRODUCT WARRANTY



Outstanding Product Performance

- Competitive high-temperature performance with improved temperature coefficient
- Minimised power loss in cell connection
- Better performance under shading effect
- Decreased nominal operating cell temperature to $43 \pm 2^{\circ}\text{C}$
- 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 front load, 2400Pa maximum rear load
- Optimised electrical design lowers hot spot risk and operating current

PID Resistant

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



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- 15-year product warranty
 - 25-year linear performance warranty to 80.2%
1. In compliance with our warranty terms and conditions.

NOTE: This datasheet is not legally binding. Phono Solar reserves the right to make specifications changes without notice. Further information can be found on our website: www.phonosolar.com

ELECTRICAL TYPICAL VALUES

Model	PS370M4-20/UH PS370M4H-20/UH
Cell Type	120 x Monocrystalline 166mm x 83mm
Rated Power (P _{mpp}) ²	370W
Tolerance	0~+5
Rated Current (I _{mpp})	10.85
Rated Voltage (V _{mpp})	34.11
Short Circuit Current (I _{sc})	11.60
Open Circuit Voltage (V _{oc})	41.26
Module Efficiency (%)	20.17
NOCT (Nominal Operation Cell Temperature)	43°C ± 2°C
Voltage Temperature Coefficient	-0.30%/°C
Current Temperature Coefficient	+0.050%/°C
Power Temperature Coefficient	-0.38%/°C

MECHANICAL CHARACTERISTICS

Dimensions	Length: 1764mm, Width: 1040mm Height: 35mm
Weight	19.5kg
Front Glass	3.2mm toughened glass
Frame	Black anodised aluminium alloy
Cable	4mm ² (IEC), 1150mm
Junction Box	IP 68 rated
Connectors	Genuine MC4 (1000V) / MC4-EVO 2 (1500V)

PACKING CONFIGURATION

Container	Pallet	20'GP	40'GP
Pieces per container	31	306	744

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 (UL 1703)	Type 4
Maximum System Voltage	DC 1000V/1500V

ELECTRICAL CHARACTERISTICS

