

SUMEC

Phono[®] Solar

AUSTRALIA

330W

INTRODUCING

Twin Plus Module

15 DIAMOND
YEAR DEALER
PRODUCT WARRANTY

More Power

Low power loss in cell connection

Low temperature coefficient (Pmax): $-0.38\%/^{\circ}\text{C}$

Low NOCT: $43\pm 2^{\circ}\text{C}$

More Reliable

Lower hot spot temperature

PID Resistant

Better Shading Tolerance

Optimal Yields - Better shading tolerance combined with excellent low-light and temperature behaviour



BLOOMBERG
TIER 1 BRAND



OWNED BY
FORTUNE 500
GLOBAL COMPANY



**TOP
PERFORMING
PANEL**



**AUSTRALIAN
OFFICE AND
REPRESENTATION**

SUMEC

Phono[®] Solar
AUSTRALIA



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PHONO SOLAR INTERNATIONAL (SUMEC)

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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

TWIN PLUS MODULE

ELECTRICAL TYPICAL VALUES

Model	PS330M1-20/UH PS330M1H-20/UH
Type	Perc Monocrystalline 158.75mm x 79.38mm
Rated Power (P _{mp}) ²	330W
Tolerance	0~+5
Rated Current (I _{mp})	9.61
Rated Voltage (V _{mp})	34.34
Short Circuit Current (I _{sc})	10.23
Open Circuit Voltage (V _{oc})	41.70
Module Efficiency (%)	19.57
NOCT (Nominal Operating Cell Temperature)	43°C ± 2°C
Voltage Temperature Coefficient	-0.30%/°C
Current Temperature Coefficient	+0.05%/°C
Power Temperature Coefficient	-0.38%/°C

MECHANICAL CHARACTERISTICS

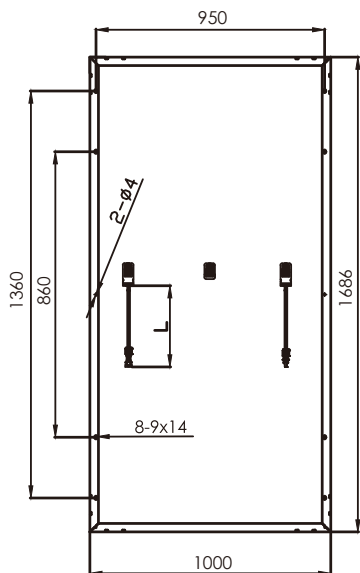
Dimensions	Length: 1686mm, Width: 1000mm Height: 35mm
Weight	19kg
Front Glass	3.2mm toughened glass
Frame	Anodized aluminium alloy
Cable	4mm ² (IEC), 1150mm
Junction Box	IP 68 rated
Connectors	MC4 (1000Vdc) / MC4-EVO 2 (1500Vdc)

PACKING CONFIGURATION

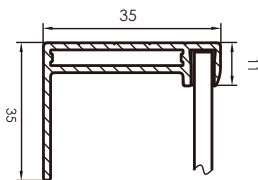
Container	20'GP	40' HQ
Pieces per container	312	832

ABSOLUTE MAXIMUM RATING

Parameter	Values
Operating Temperature	From -40 to +85°C
Hail Diameter @ 80km/h	Up to 25mm
Surface Maximum Load Capacity	Up to 5400Pa
Maximum Series Fuse Rating	20A
Application Class & Safety Class	II
Fire Rating (IEC61730)	C
Module Fire Performance (UL1703)	Type 1
Maximum System Voltage	DC 1000V/1500V (IEC/ETL)



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.



Note: mm

WEAK LIGHT PERFORMANCE

