

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



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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 (Pmpp) ²	330W
Tolerance	0~+5
Rated Current (Impp)	9.64
Rated Voltage (Vmpp)	34.24
Short Circuit Current (Isc)	9.99
Open Circuit Voltage (Voc)	41.41
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)

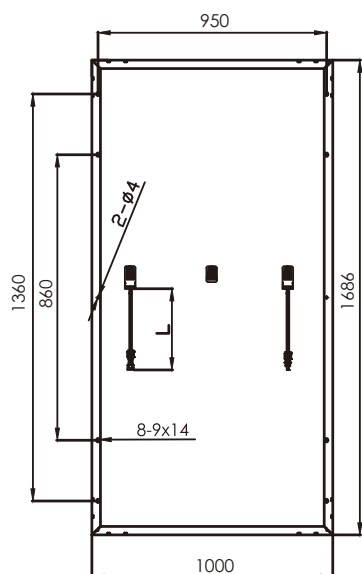
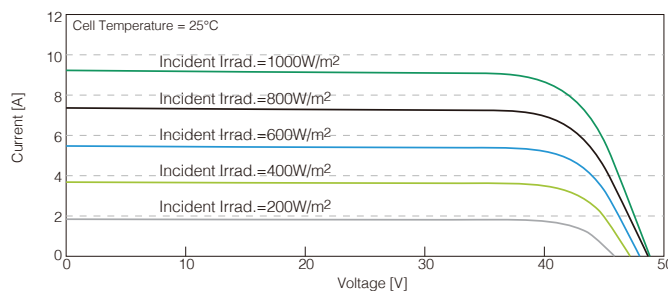
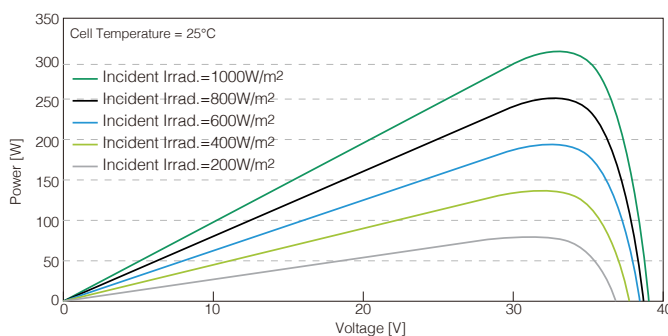
PACKING CONFIGURATION

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

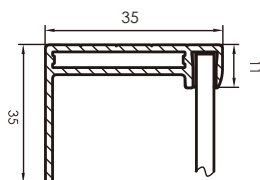
ABSOLUTE MAXIMUM RATING

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)

WEAK LIGHT PERFORMANCE



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

