

SUMEC

Phono[®] Solar

AUSTRALIA

400W

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	PS400M1-24/TH PS400M1H-24/TH
Type	Perc Monocrystalline 158.75mm x 79.38mm
Rated Power (Pmpp) ²	400W
Tolerance	0~+5w
Rated Current (Impp)	9.83
Rated Voltage (Vmpp)	40.70
Short Circuit Current (Isc)	10.19
Open Circuit Voltage (Voc)	49.21
Module Efficiency (%)	19.90
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: 2010mm, Width: 1000mm Height: 40mm
Weight	23.5kg
Front Glass	3.2mm toughened glass
Frame	Anodized aluminium alloy
Cable	4mm ² (IEC), 1250mm
Junction Box	IP 68 rated
Connectors	MC4 (1000Vdc) / MC4-EVO 2 (1500Vdc)

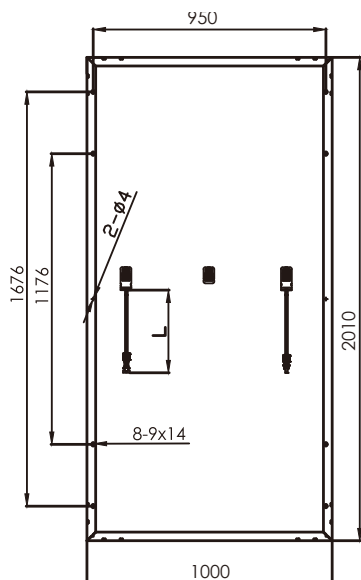
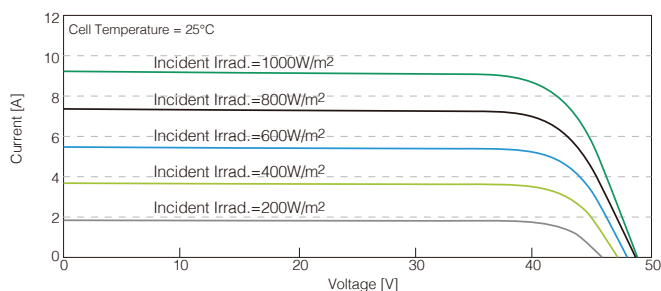
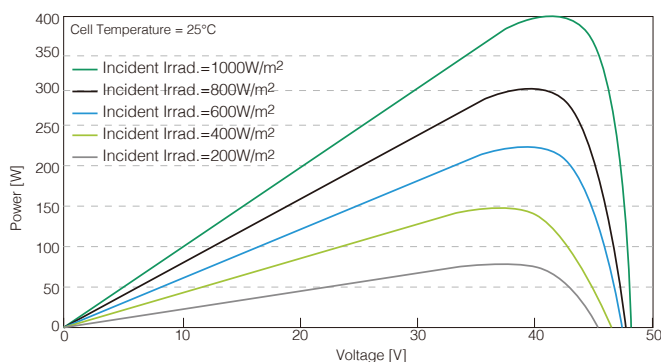
PACKING CONFIGURATION

Container	20' GP	40' HQ
Pieces per container	230	616

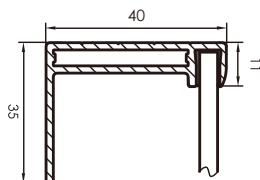
ABSOLUTE MAXIMUM RATING

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



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



Note: mm

