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Solar Panel Guide Specification Data Sheet

**Phono Solar Technology Co., Ltd.
Dual Glass Mono/295-310
PS295MGF(H)-20/U**

Also available on the web at
EnergyPal.com/phono-solar-technology-co-ltd-solar-panels/ps295mgf-h-20-u

Phono[®] Solar

Dual Glass Module

Mono/295-310W



Fire Application Class A

Fireproof dual glass module structure allows more safety



PID Resistant



Higher Reliability

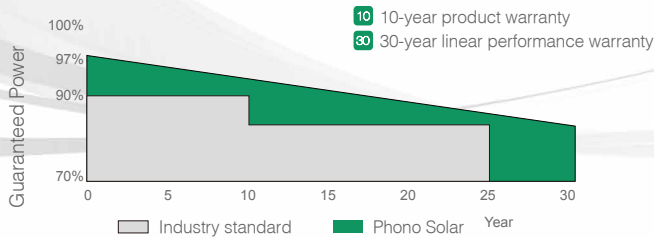
Enhanced reliability and better anti-corrosiveness in harsh environments

Bloomberg
NEW ENERGY FINANCE

Tier1



TOP
PERFORMER



EN EN-20180809

SINOMACH | SUMEC
SUMEC GROUP CORPORATION

ELECTRICAL TYPICAL VALUES

Model	PS295MGF-20/U PS295MGFH-20/U	PS300MGF-20/U PS300MGFH-20/U	PS305MGF-20/U PS305MGFH-20/U	PS310MGF-20/U PS310MGFH-20/U
Type	Monocrystalline 6 inch x 6 inch square, 6 × 10 pieces in series			
Rated Power (Pmpp)	295W	300W	305W	310W
Tolerance	0~+5w			
Rated Current (Impp)	9.21	9.32	9.43	9.54
Rated Voltage (Vmpp)	32.04	32.19	32.35	32.50
Short Circuit Current (Isc)	9.77	9.82	9.87	9.92
Open Circuit Voltage (Voc)	39.80	39.90	40.00	40.10
Module Efficiency (%)	17.76	18.06	18.37	18.67
NOCT (Nominal Operation Cell Temperature)	45±2°C			
Voltage Temperature Coefficient	-0.295%/°C			
Current Temperature Coefficient	+0.046%/°C			
Power Temperature Coefficient	-0.396%/°C			

MECHANICAL CHARACTERISTICS

Dimension (L× W × H)	Length: 1664mm (65.51 inch) Width: 998mm (39.29 inch) Height: 20mm (0.79 inch)
Weight	20kg (44.09 lb)
Glass	2.0mm/2.0mm heat-strengthened glass(front/back)
Frame	Anodized aluminium alloy
Cable	4mm ² (IEC) , Length:1150mm or Customized length
Junction Box	IP 68 rated

ABSOLUTE MAXIMUM RATING

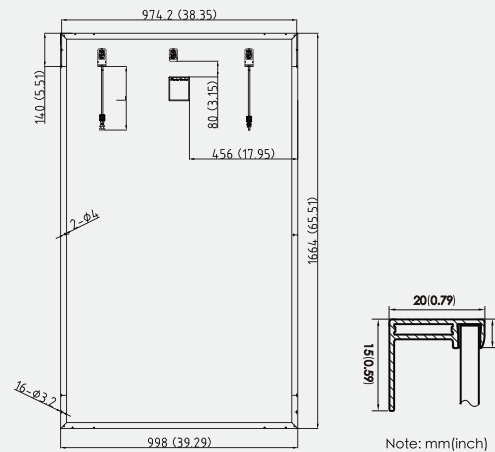
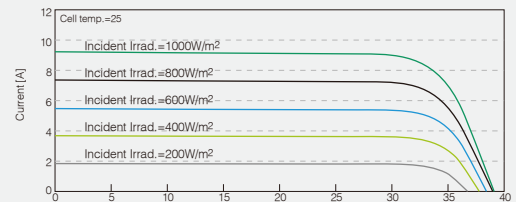
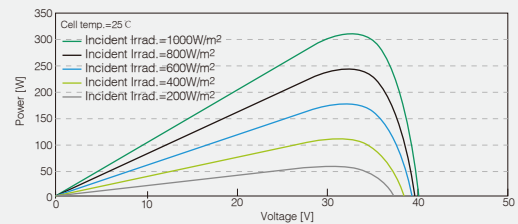
Parameter	Values
Operating Temperature	From -40 to +85°C
Hail Diameter @ 80km/h	Up to 25mm
Surface Maximum Load Capacity	Up to 2400Pa
Maximum Series Fuse Rating	20A
IEC Application Class (IEC61730)	A
Fire Rating (IEC61730)	A
Module Fire Performance (UL 1703)	Type1
Maximum System Voltage	DC 1000V/1500V (IEC)

PACKING CONFIGURATION

Container	20' GP	40' HQ
Pieces/Container	162	702

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

ELECTRICAL CHARACTERISTICS



Phono[®] Solar

Note: This datasheet is not legally binding. Phono Solar Technology Co., Ltd. reserves the right to adjust specifications without notice. Further information please refer to our [Website:www.phonosolar.com](http://www.phonosolar.com), [E-mail:info@phonosolar.com](mailto:info@phonosolar.com)