Phono® Solar

SHARE THE SUN, POWER THE FUTURE!

Hyperion™

High Efficiency Module

Poly 60 Cells 265-275W

Features

- 4‰ — Nano texturing cell process ensures better absorption of diffused reflection spectrum and more cell efficiency up to 4‰
- Higher power classes in equivalent module sizes
- 3% — More energy yield up to 3% (kwh/kw)
- PID — Anti-PID
- IP — IP68 connectors enhance the reliability of the PV system
- Certified to withstand increased loads of up to 5400Pa
- 10 YEAR — 10-year product warranty
- 25 YEAR — 25-year performance warranty

Bloomberg NEW ENERGY FINANCE Tier 1

DNV·GL TOP PERFORMER

ABOUT PHONO SOLAR

Phono Solar Technology Co., Ltd is one of the world's leading renewable energy product manufacturers and a well trusted brand provider. The Phono Solar brand has become synonymous with high performing, top quality photovoltaic panels that are ideal for use in large scale power plants, commercial and residential installations.

SINOMACH | SUMEC

SUMEC GROUP CORPORATION

Hyperion™ High Efficiency Polycrystalline Module | PS265-275P-20/U

ELECTRICAL TYPICAL VALUES

Model	Rated Power (Pmpp)	Rated Current (Impp)	Rated Voltage (Vmpp)	Short Circuit Current (Isc)	Open Circuit Voltage (Voc)	Module Efficiency (%)
PS265P-20/U	265	8.50	31.2	9.0	38.1	16.29
PS270P-20/U	270	8.61	31.4	9.1	38.2	16.60
PS275P-20/U	275	8.72	31.6	9.2	38.3	16.90

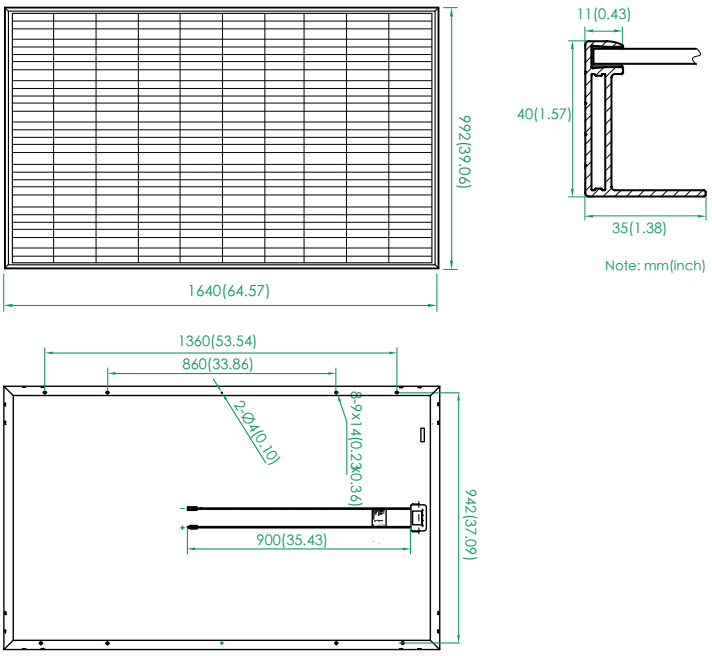
MECHANICAL CHARACTERISTICS

Solar Cells	Polycrystalline, 6 inch x 6 inch square, 6 × 10 pieces in series
Dimension (A × B × C)	Length: 1640mm (64.57 inch)
	Width: 992mm (39.06 inch)
	Height: 40mm (1.57 inch)
Weight	19kg (41.90 lb)
Front Glass	3.2mm toughened glass
Frame	Anodized aluminium alloy
Cable	4mm2 (IEC) / 12AWG(UL), 900mm
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 5400Pa
Maximum Series Fuse Rating	15A
IEC Application Class (IEC61730)	A
Fire Rating (IEC61730)	C
Maximum System Voltage	DC 1000V(IEC)
Tolerance	0~+5W

DIMENSIONS



TEMPERATURE CHARACTERISTICS

NOCT (Nominal Operation Cell Temperature)	45±2°C
Voltage Temperature Coefficient	−0.31%/°C
Current Temperature Coefficient	0.05%/°C
Power Temperature Coefficient	−0.41%/°C

WEAK LIGHT PERFORMANCE

Intensity [W/m²]	Impp	Vmpp
1000	1.0	1.000
800	0.8	0.996
600	0.6	0.990
400	0.4	0.982
200	0.2	0.951
100	0.1	0.923

PACKING CONFIGURATION

Container	40' HQ	20' GP
Pieces per container	728	264

PARTNER INFORMATION

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.

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Version: EN-U-HP-20170630

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Phono® Solar

SHARE THE SUN, POWER THE FUTURE!

Hyperion™

High Efficiency Module

Poly 72 Cells 315-330W

Features

- Nano texturing cell process ensures better absorption of diffused reflection spectrum and more cell efficiency up to 4‰
- Higher power classes in equivalent module sizes
- More energy yield up to 3% (kwh/kw)
- Anti-PID
- IP68 connectors enhance the reliability of the PV system
- Certified to withstand increased loads of up to 5400Pa
- 10-year product warranty
- 25-year performance warranty

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SINOMACH SUMEC

SUMEC GROUP CORPORATION

Hyperion™ High Efficiency Polycrystalline Module | PS315-330P-24/T

ELECTRICAL TYPICAL VALUES

Model	Rated Power (Pmpp)	Rated Current (Impp)	Rated Voltage (Vmpp)	Short Circuit Current (Isc)	Open Circuit Voltage (Voc)	Module Efficiency (%)
PS315P-24/T	315	8.59	36.80	8.97	46.09	16.23
PS320P-24/T	320	8.66	37.05	8.99	46.17	16.49
PS325P-24/T	325	8.73	37.30	9.01	46.25	16.75
PS330P-24/T	330	8.80	37.55	9.03	46.33	17.01

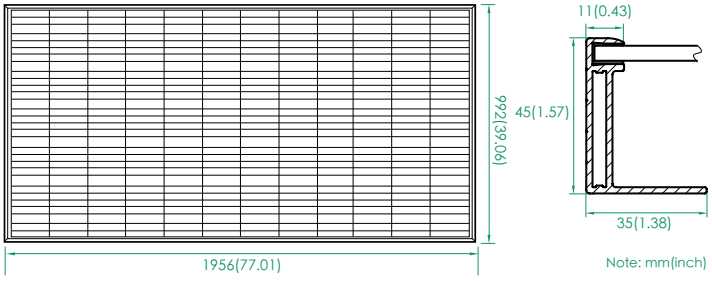
MECHANICAL CHARACTERISTICS

Solar Cells	Polycrystalline, 6 inch x 6 inch square, 6 × 12 pieces in series
Dimension (A × B × C)	Length: 1956mm (77.01inch)
	Width: 992mm (39.06 inch)
	Height: 45mm (1.77 inch)
Weight	24kg (52.91 lb)
Front Glass	3.2mm toughened glass
Frame	Anodized aluminium alloy
Cable	4mm2 (IEC) / 12AWG(UL), 1100mm
Junction Box	IP 68 rated

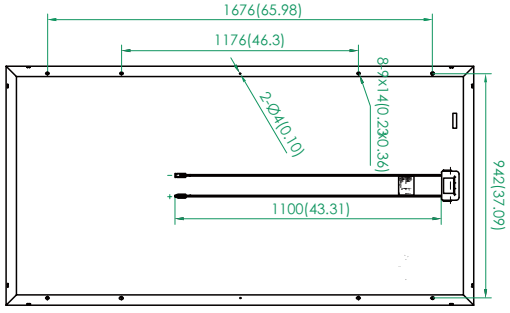
ABSOLUTE MAXIMUM RATING

Parameter	Values
Operating Temperature	From -40 to +85°C
Hail Diameter @ 80km/h	Up to 25mm
Surface Maximum Load Capacity	Up to 5400Pa
Maximum Series Fuse Rating	15A
IEC Application Class (IEC61730)	A
Fire Rating (IEC61730)	C
Maximum System Voltage	DC 1000V(IEC)
Tolerance	0~+5W

DIMENSIONS



Note: mm(inch)



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WEAK LIGHT PERFORMANCE

Intensity [W/m²]	Impp	Vmpp
1000	1.0	1.000
800	0.8	0.996
600	0.6	0.990
400	0.4	0.982
200	0.2	0.951
100	0.1	0.923

PACKING CONFIGURATION

Container	40' HQ	20' GP
Pieces per container	576	200

PARTNER INFORMATION

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.

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