




Model	POLY			Black Silicon	
	PS260P-20/U	PS265P-20/U	PS270P-20/U	PS275P-20/U	PS280P-20/U
Type	 Polycrystalline 6 inch x 6 inch square, 6 x 10 pieces in series			 Polycrystalline 6 inch x 6 inch square, 6 x 10 pieces in series	
Rated Power (Pmpp) [W]	260	265	270	275	280
Tolerance [W]	0-5	0-5	0-5	0-5	0-5
Voc [V]	37.69	38.03	38.39	38.30	38.40
Isc [A]	8.94	9.04	9.09	9.20	9.30
Vm [V]	30.81	31.19	31.44	31.60	31.80
Im [A]	8.44	8.52	8.59	8.72	8.83
Module Efficiency [%]	15.98	16.29	16.60	16.90	17.2
NOCT (Nominal Operation Cell Temperature)	45°C ± 2°C			45°C ± 2°C	
Voltage Temperature Coefficient	-0.31%/°C			-0.31%/°C	
Current Temperature Coefficient	+0.06%/°C			+0.05%/°C	
Power Temperature Coefficient	-0.40%/°C			-0.41%/°C	

Model	MONO			PERC			
	PS270M-20/U	PS275M-20/U	PS280M-20/U	PS285M-20/U	PS290M-20/U	PS295M-20/U	PS300M-20/U
Type	 Monocrystalline 6 inch x 6 inch square, 6 x 10 pieces in series			 Monocrystalline 6 inch x 6 inch square, 6 x 10 pieces in series			
Rated Power (Pmpp) [W]	270	275	280	285	290	295	300
Tolerance [W]	0-5	0-5	0-5	0-5	0-5	0-5	0-5
Voc [V]	38.30	38.40	38.50	39.60	39.70	39.80	39.90
Isc [A]	9.05	9.10	9.15	9.65	9.71	9.74	9.82
Vm [V]	31.22	31.43	31.61	31.72	31.87	32.07	32.19
Im [A]	8.65	8.75	8.86	8.99	9.10	9.20	9.32
Module Efficiency [%]	16.60	16.90	17.20	17.51	17.83	18.13	18.44
NOCT (Nominal Operation Cell Temperature)	45°C ± 2°C			45°C ± 2°C			
Voltage Temperature Coefficient	-0.35%/°C			-0.288%/°C			
Current Temperature Coefficient	+0.07%/°C			+0.047%/°C			
Power Temperature Coefficient	-0.45%/°C			-0.398%/°C			

1. Measurement conditions under irradiance level of Standard Test Conditions(STC): 1000W/m2, Air mass 1.5 Spectrum, cell temperature of 25°C.

In Search of Remarkable



60 Cell

PREMIUM
SOLAR MODULES



260-280W POLY

270-300W MONO



Outstanding performance in weak-light conditions



Anti-PID



Positive current sorting



Maximum System Voltage (optional)



Excellent temperature coefficient giving higher yields in the long term



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^[1]

Durability Assured:



Salt mist corrosion resistance



Ammonia corrosion resistance



Fire test resistance



Blowing sand resistance

• Manufacturing facility certified by ISO 9001, ISO 14001 and OHSAS 18001

• Free module recycling through PV Cycle Association membership^[2]

About Phono Solar Company Overview

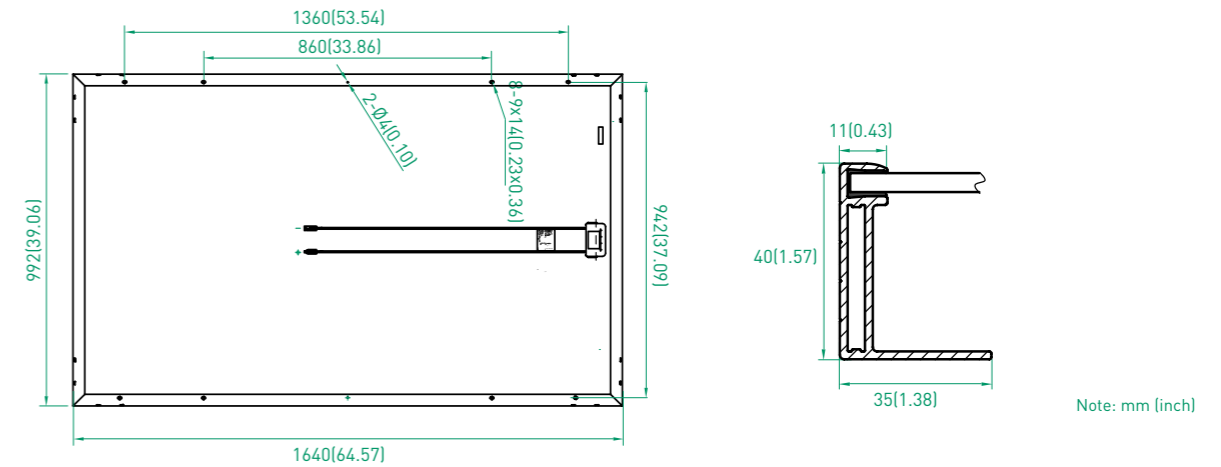
Phono Solar Technology Co., Ltd., was founded by SUMEC Group Corporation, a member of the China National Machinery Industry Corporation (SINOMACH). Phono Solar is a leading brand in the new energy industry, providing high quality new energy products since 2004.

The subsidiary of
FORTUNE
Global 500

SINCE
1978
ESTABLISHED

MECHANICAL CHARACTERISTICS

Dimension	Length: 1640mm (64.57 inch)
	Width: 992mm (39.06 inch)
	Height: 40mm (1.57 inch)
Weight	19kg (41.9 lbs)
Front Glass	3.2mm toughened glass
Frame	Anodized aluminium alloy
Cable	4mm ² (IEC) / 12AWG (UL)
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
Module Fire Performance (UL1703)	Type 1
Maximum System Voltage	DC 1000V (IEC)
	DC 600V (UL) / 1000V (ETL)


WEAK LIGHT PERFORMANCE



Intensity [W/m ²]	I _{mpp}	V _{mpp}
1000	1.0	1.000
800	0.8	0.996
600	0.6	0.990
400	0.4	0.983
200	0.2	0.952
100	0.1	0.921

PACKING CONFIGURATION

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



Model	POLY				
	PS310P-24/T	PS315P-24/T	PS320P-24/T	PS325P-24/T	PS330P-24/T
Type	 <p>Polycrystalline 6 inch x 6 inch square, 6 x 12 pieces in series</p>				
Rated Power (Pmpp) (W)	310	315	320	325	330
Tolerance (W)	0~5	0~5	0~5	0~5	0~5
Voc (V)	45.24	45.59	46.04	46.34	46.74
Isc (A)	8.95	9.01	9.03	9.11	9.15
Vm (V)	36.87	37.28	37.70	38.11	38.53
Im (A)	8.41	8.45	8.49	8.53	8.57
Module Efficiency (%)	15.98	16.23	16.49	16.75	17.01
NOCT (Nominal Operation Cell Temperature)	45°C ± 2°C				
Voltage Temperature Coefficient	-0.31%/°C				
Current Temperature Coefficient	+0.06%/°C				
Power Temperature Coefficient	-0.40%/°C				

Model	MONO						PERC			
	PS310M-24/T	PS315M-24/T	PS320M-24/T	PS325M-24/T	PS330M-24/T	PS335M-24/T	PS345M-24/T	PS350M-24/T	PS355M-24/T	PS360M-24/T
Type	 <p>Monocrystalline 6 inch x 6 inch square, 6 x 12 pieces in series</p>						 <p>Monocrystalline 6 inch x 6 inch square, 6 x 12 pieces in series</p>			
Rated Power (Pmpp) (W)	310	315	320	325	330	335	345	350	355	360
Tolerance (W)	0~5	0~5	0~5	0~5	0~5	0~5	0~5	0~5	0~5	0~5
Voc (V)	46.30	46.50	46.70	46.90	47.10	47.30	47.52	47.64	47.76	47.88
Isc (A)	8.75	8.82	8.90	8.95	9.03	9.09	9.65	9.71	9.74	9.82
Vm (V)	37.09	37.24	37.43	37.71	37.88	38.09	38.10	38.26	38.51	38.63
Im (A)	8.36	8.46	8.55	8.62	8.72	8.80	9.06	9.15	9.22	9.32
Module Efficiency	15.98	16.23	16.49	16.75	17.00	17.26	17.78	18.04	18.30	18.55
NOCT (Nominal Operation Cell Temperature)	45°C ± 2°C						45°C ± 2°C			
Voltage Temperature Coefficient	-0.35%/°C						-0.288%/°C			
Current Temperature Coefficient	+0.07%/°C						+0.047%/°C			
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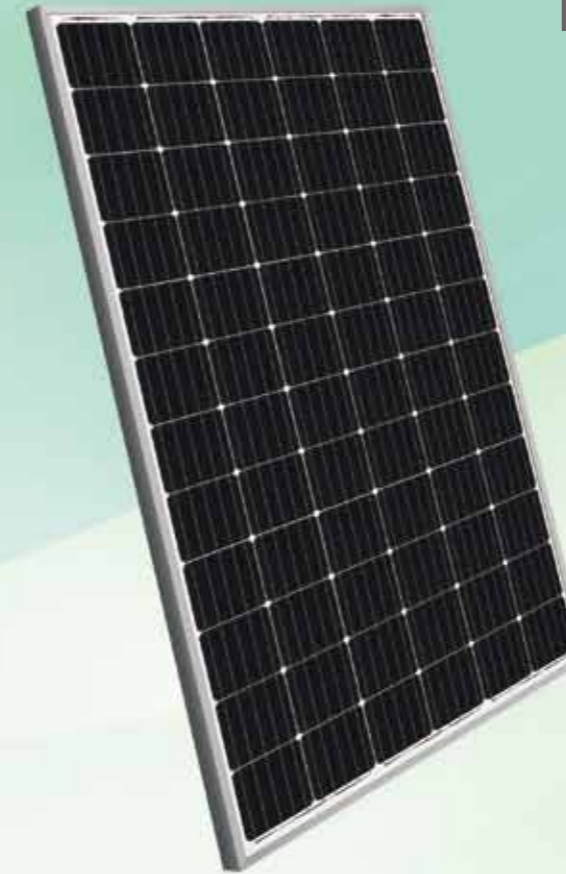
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Note: This datasheet is not legally binding. Phono Solar reserves the right to make specifications changes without notice. Further information can be found on our website: www.phonosolar.com

DS-EN-T-170610

In Search of Remarkable



72 Cell

PREMIUM
SOLAR MODULES

Tier 1
Bloomberg
NEW ENERGY FINANCE

DNV·GL
Top Performer

国机集团 SINOMACH | SUMEC 苏美达能源

310-330W POLY

310-360W MONO



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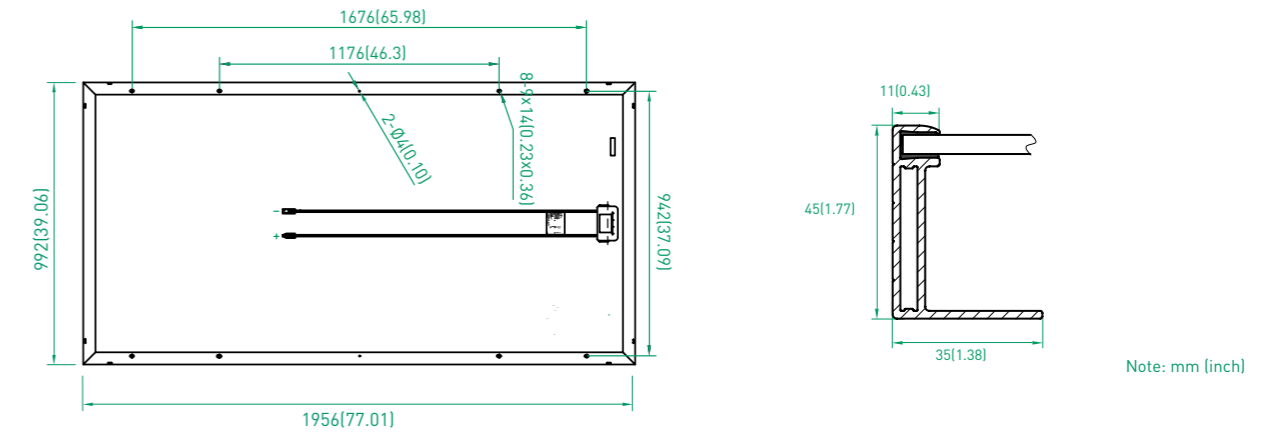
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Dimension	Length: 1956mm (77.01 inch)
	Width: 992mm (39.06 inch)
	Height: 45mm (1.77 inch)
Weight	24kg (52.9 lbs)
Front Glass	3.2mm toughened glass
Frame	Anodized aluminium alloy
Cable	4mm ² (IEC) / 12AWG (UL)
Junction Box	IP 68 rated



ABSOLUTE MAXIMUM RATING

Parameter	Values
Operating Temperature	From -40 to +85°C
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PACKING CONFIGURATION

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

