





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			+0.06%/°C	
Power Temperature Coefficient	-0.40%/°C			-0.40%/°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			



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In Search of Remarkable

60  
Cell

PREMIUM  
SOLAR MODULES



260-280W POLY



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<sup>[1]</sup>

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<sup>[2]</sup>

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.

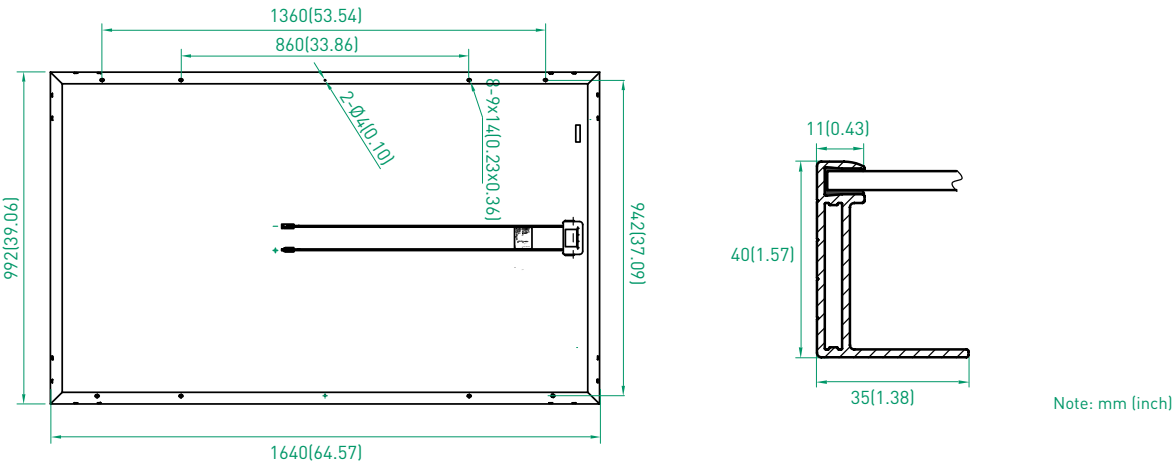
The subsidiary of  
FORTUNE  
Global 500

SINCE  
1978  
ESTABLISHED

270-300W MONO

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 <sup>2</sup> (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/m²]	I <sub>mpp</sub>	V <sub>mpp</sub>
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





	POLY			
Model	PS255PGF-20/U PS255PGC-20/U	PS260PGF-20/U PS260PGC-20/U	PS265PGF-20/U PS265PGC-20/U	PS270PGF-20/U PS270PGC-20/U
Type	<div></div> <div>Polycrystalline 6 inch x 6 inch square, 6 x 10 pieces in series</div>			
Rated Power (Pmpp) (W)	255	260	265	270
Tolerance (W)	0~5	0~5	0~5	0~5
Voc (V)	37.9	38.0	38.1	38.2
Isc (A)	8.8	8.9	9.0	9.1
Vm (V)	30.4	30.56	30.78	31.0
Im (A)	8.39	8.51	8.61	8.71
Module Efficiency (%)	15.36	15.66	15.96	16.26
NOCT (Nominal Operation Cell Temperature)	45°C ± 2°C			
Voltage Temperature Coefficient	-0.31%/°C			
Current Temperature Coefficient	+0.085%/°C			
Power Temperature Coefficient	-0.41%/°C			

	MONO			
Model	PS280MGF-20/U PS280MGC-20/U	PS285MGF-20/U PS285MGC-20/U	PS290MGF-20/U PS290MGC-20/U	PS295MGF-20/U PS295MGC-20/U
Type	<div></div> <div>Monocrystalline 6 inch x 6 inch square, 6 x 10 pieces in series</div>			
Rated Power (Pmpp) (W)	280	285	290	295
Tolerance (W)	0~5	0~5	0~5	0~5
Voc (V)	39.5	39.6	39.7	39.80
Isc (A)	9.65	9.68	9.71	9.74
Vm (V)	30.74	31.08	31.36	31.69
Im (A)	9.11	9.17	9.25	9.31
Module Efficiency (%)	16.86	17.16	17.46	17.76
NOCT (Nominal Operation Cell Temperature)	45°C ± 2°C			
Voltage Temperature Coefficient	-0.326%/°C			
Current Temperature Coefficient	+0.07%/°C			
Power Temperature Coefficient	-0.42%/°C			



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In Search of Remarkable



DUAL - GLASS  
MODULE



255-270W POLY

280-295W MONO

1500V

Maximum System Voltage

PID

Anti-PID

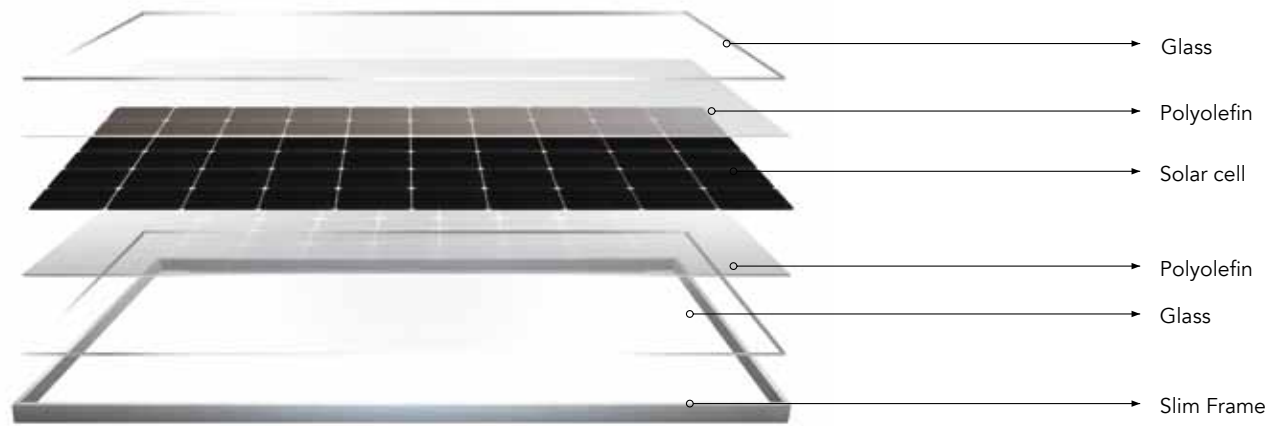
5400PA

Certified to withstand increased loads of up to 5400Pa

30 YEAR

10-year product warranty  
30-year performance warranty<sup>(1)</sup>

Fire test resistance



Dust

Sand

Ammonia

Moisture

Salt mist

About Phono Solar  
Company Overview

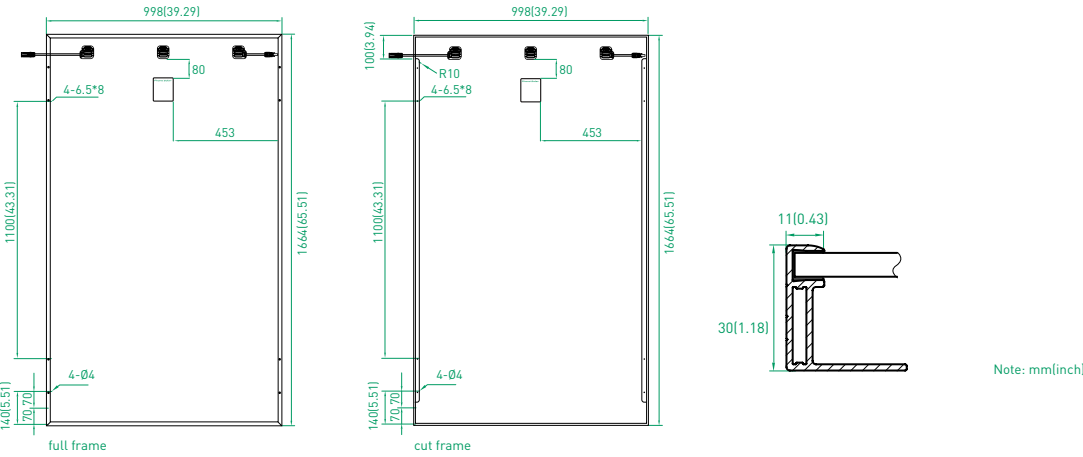
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Global 500

SINCE  
1978  
ESTABLISHED

MECHANICAL CHARACTERISTICS

Dimension	Length: 1664mm(65.51inch)
	Width: 998mm(39.29inch)
	Height: 30mm (1.18 inch)
Weight	21/20.5Kg
Front Glass	2.0mm / 2.0mm heat-strengthened glass (front/back)
Frame	Anodized aluminium alloy
Cable	4mm² (IEC) / 12AWG (UL), 130mm/250mm or 1150mm*2
Junction Box	IP 68 rated



ABSOLUTE MAXIMUM RATING

Parameter	Values
Operating Temperature	From -40 to +85°C
Hail Diameter @ 80km/h	Up to 25mm
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100	0.1	0.921

PACKING CONFIGURATION

Container	40' HQ	20' GP
Pieces per container	884	312

