



In Search of Remarkable

		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	 <p>Polycrystalline 6 inch x 6 inch square, 6 x 10 pieces in series</p>				
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	 <p>Monocrystalline 6 inch x 6 inch square, 6 x 10 pieces in series</p>				
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				

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

www.phonosolar.com

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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-U-GLASS-170610

DUAL - GLASS MODULE

Tier 1
Bloomberg
NEW ENERGY FINANCE

DNV·GL
Top Performer

国机集团 SINOMACH | SUMEC 苏美达能源



255-270W POLY

280-295W MONO



Maximum System Voltage



Anti-PID



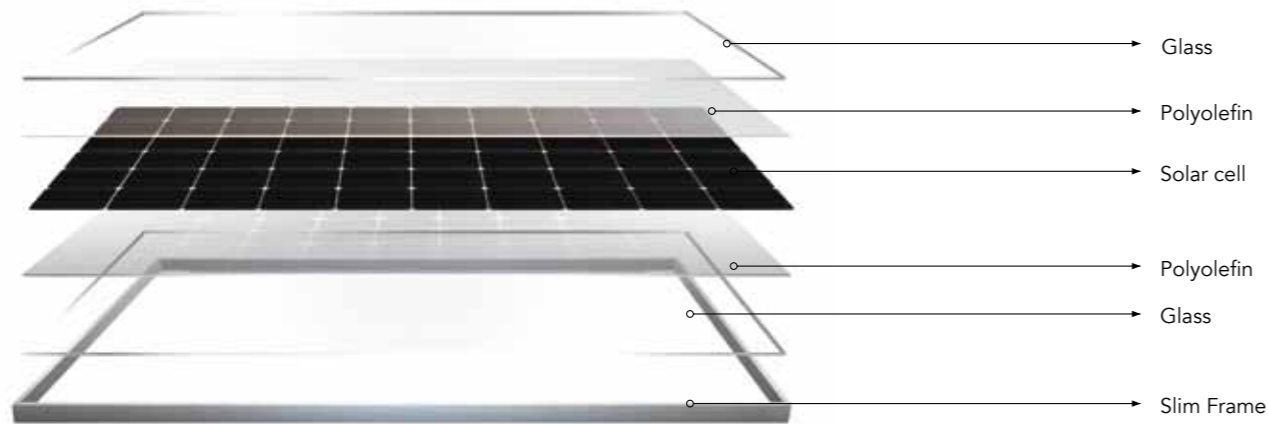
Certified to withstand increased loads of up to 5400Pa



10-year product warranty
30-year performance warranty⁽¹⁾



Fire test resistance



About Phono Solar Company Overview

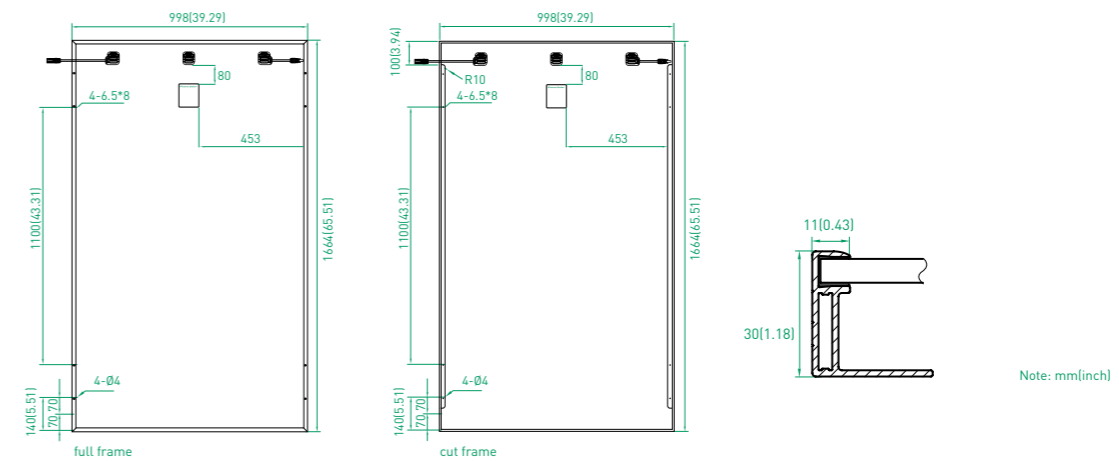
Phono Solar Technology Co., Ltd., was founded by SUMEC Group Corporation, a member of the China National Machinery Industry Corporation (SINOMACH). Phono Solar is a leading brand in the new energy industry, providing high quality new energy products since 2004.

The subsidiary of
FORTUNE
Global 500

SINCE
1978
ESTABLISHED

MECHANICAL CHARACTERISTICS

Dimension	Length: 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	4mm ² (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
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 1500V (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	884	312

