




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			
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.

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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-SMART-170610

In Search of Remarkable



Optimized by
solaredge

**72
Cell**

**SMART
MODULES**

Tier 1
Bloomberg
NEW ENERGY FINANCE

DNV·GL
Top Performer

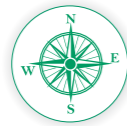
国机集团 | **SUMEC**
SINOMACH | 苏美达能源

310-330W POLY

310-360W MONO



Eliminates mismatches



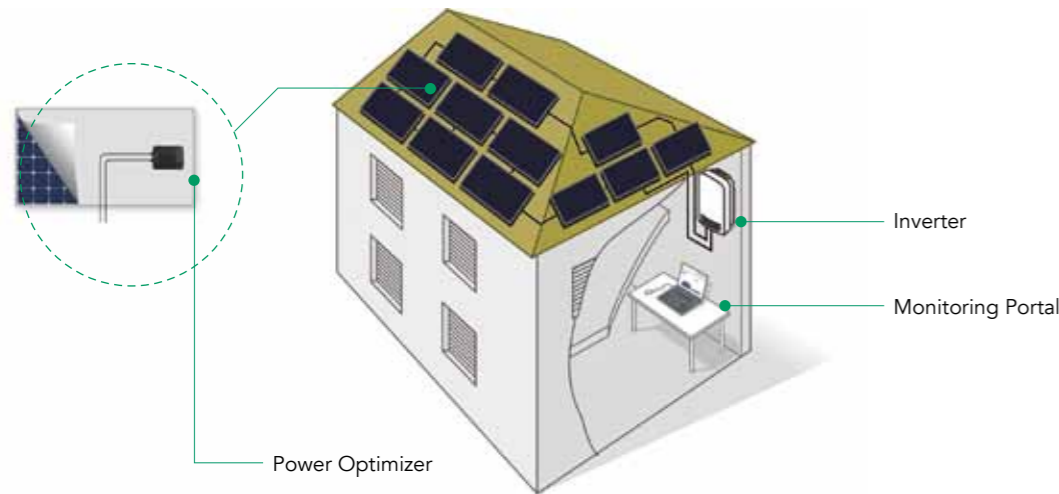
Suitable for diverse direction



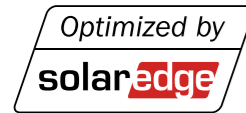
SafeDC™



Module-level monitoring*



Up to
25%
more output



About Phono Solar Company Overview

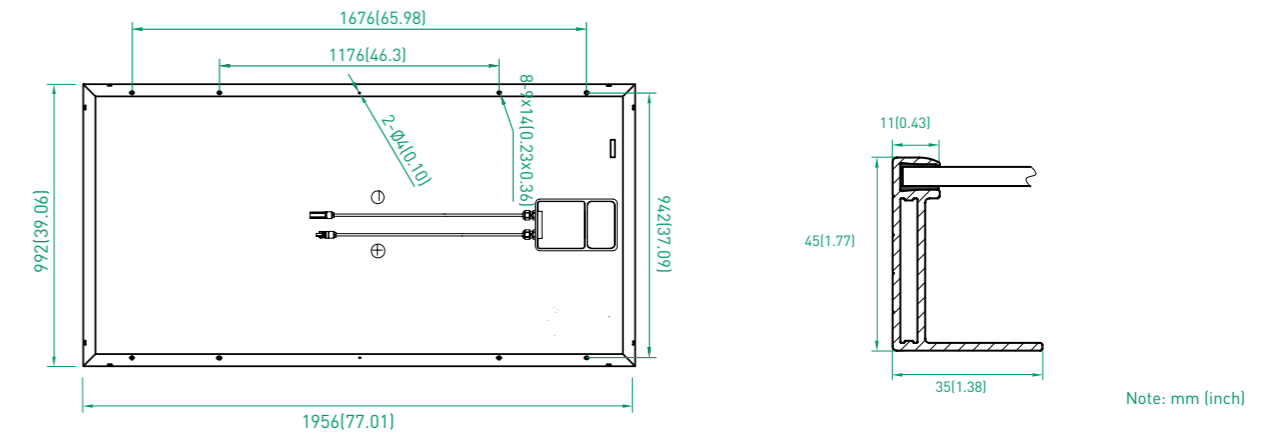
Phono Solar Technology Co., Ltd., was founded by SUMEC Group Corporation, a member of the China National Machinery Industry Corporation (SINOMACH). Phono Solar is a leading brand in the new energy industry, providing high quality new energy products since 2004.

The subsidiary of
FORTUNE
Global 500

SINCE
1978
ESTABLISHED

MECHANICAL CHARACTERISTICS

Dimension	Length: 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
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	576	200

