

Nano-Texturing+MWT Module 280-295W

Features



Higher Power Class Higher power classes in equivalent module sizes

Higher Yield 0.5-1.5% more module efficiency

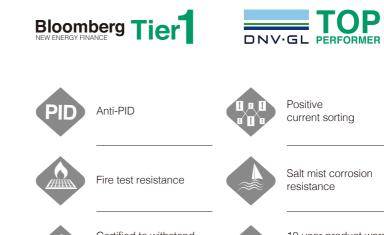
Lower Cost

\$

20V

Higher Efficiency 20W+ higher rated power more than common module and 2-5% additional generated power

BOS cost can be reduced by 1.2-1.5 USD cent/w





Certified to withstand increased loads of up to 5400Pa 10-year product warranty 25-year performance warranty



ABOUT PHONO SOLAR

Phono Solar Technology Co., Ltd, founded by SUMEC Group Corporation (SUMEC GROUP), a member of the China National Machinery Industry Corporation (SINOMACH), 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 since 2004.

Module

Cells



Nano+MWT Module

ELECTRICAL TYPICAL VALUES

Model	PS280P-20/UM	PS285P-20/UM	PS290P-20/UM	PS295P-20/UM
Туре	Polycrystalline 6 inch x 6 inch square, 6×10 pieces in series			
Rated Power (Pmpp)	280	285	290	295
Tolerance	0~+5w			
Rated Current (Impp)	8.92	9.02	9.12	9.22
Rated Voltage (Vmpp)	31.40	31.60	31.80	32.00
Short Circuit Current (Isc)	9.53	9.61	9.69	9.77
Open Circuit Voltage (Voc)	38.00	38.20	38.40	38.60
Module Efficency (%)	17.21	17.52	17.83	18.13
NOCT (Nominal Operation Cell Temperature)	43±2°C			
Voltage Temperature Coefficient	-0.28%/°C			
Current Temperature Coefficient	+0.06%/°C			
Power Temperature Coefficient	-0.36%/°C			

MECHANICAL CHARACTERISTICS

D	Length: 1640mm (64.57 inch)
Dimension (L \times W \times H)	Width: 992mm (39.06 inch)
	Height: 35mm (1.38 inch)
Weight	18.5kg (40.79 lb)
Front Glass	3.2mm toughened glass
Frame	Anodized aluminium alloy
Cable	4mm² (IEC), 900mm
Junction Box	IP 67 rated

ABSOLUTE MAXIMUM RATING

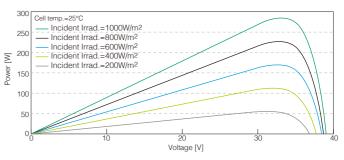
Parameter	Values
Operating Temperature	From -40 to +85°C
Hail Diameter @ 80km/h	Up to 25mm
Surface Maximum Load Capacity	5400Pa
Maximum Series Fuse Rating	15A
IEC Application Class (IEC61730)	A
Fire Rating (IEC61730)	С
Maximum System Voltage	DC 1000V (IEC)

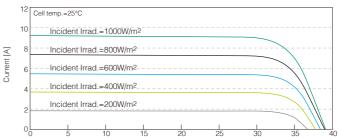
PACKING CONFIGURATION

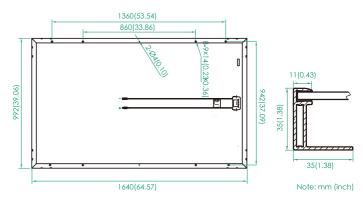
Container	40'HQ	20'GP
Pieces / Container	784	300

 In compliance with our warranty terms and conditions.
Measurement conditions under irradiance level of Standard Test Conditions(STC): 1000W/m², Air mass 1.5 Spectrum, cell temperature of 25°C.

WEAK LIGHT PERFORMANCE











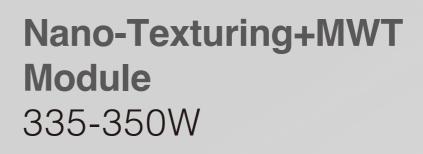
Phonosolar Solar Technology Co., Ltd

Add: No. 1 Xinghuo Road, Nanjing Hi-tech Zone, Nanjing China Tel: +86 25 5863 8000 / Fax: +86 25 5863 8009 E-mail: info@phonosolar.com

Note: This datasheet is not legally binding. Phono Solar Technology Co., Ltd. reserves the right to adjust specifications without notice. Further information please refer to our website: www.phonosolar.com







Features



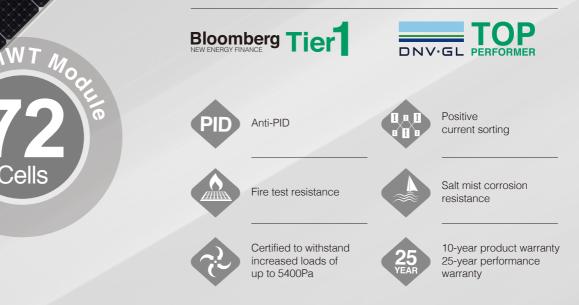
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Nano+MWT Module

ELECTRICAL TYPICAL VALUES

Model	PS335P-24/TM	PS340P-24/TM	PS345P-24/TM	PS350P-24/TM
Туре	Polycrystalline 6 inch x 6 inch square, 6 x 12 pieces in series			
Rated Power (Pmpp)	335	340	345	350
Tolerance	0~+5w			
Rated Current (Impp)	8.92	9.03	9.13	9.24
Rated Voltage (Vmpp)	37.56	37.66	37.79	37.88
Short Circuit Current (Isc)	9.53	9.61	9.69	9.77
Open Circuit Voltage (Voc)	45.50	45.70	45.90	46.10
Module Efficency (%)	17.26	17.52	17.78	18.04
NOCT (Nominal Operation Cell Temperature)	43±2°C			
Voltage Temperature Coefficient	-0.28%/°C			
Current Temperature Coefficient	+0.06%/°C			
Power Temperature Coefficient	-0.36%/°C			

MECHANICAL CHARACTERISTICS

D	Length: 1956mm (77.01 inch)
Dimension (L \times W \times H)	Width: 992mm (39.06 inch)
	Height: 40mm (1.57 inch)
Weight	22.5kg(49.60 lb)
Front Glass	3.2mm toughened glass
Frame	Anodized aluminium alloy
Cable	4mm ² (IEC) / 12AWG (UL), 1100mm
Junction Box	IP 67 rated

ABSOLUTE MAXIMUM RATING

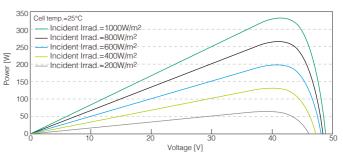
Parameter	Values
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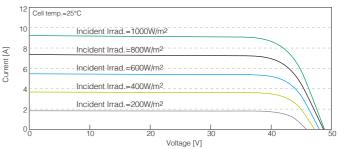
PACKING CONFIGURATION

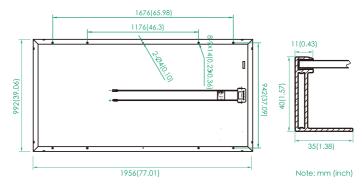
Container	40'HQ	20'GP
Pieces / Container	624	220

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WEAK LIGHT PERFORMANCE











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