

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

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



Higher Efficiency

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

Bloomberg Tier1
NEW ENERGY FINANCE

TOP
DNV·GL PERFORMER



PID

Anti-PID



Positive
current sorting



Fire test resistance



Salt mist corrosion
resistance



Certified to withstand
increased loads of
up to 5400Pa



10-year product warranty
25-year performance
warranty

Nano+MWT Module
60
Cells

Nano+MWT Module

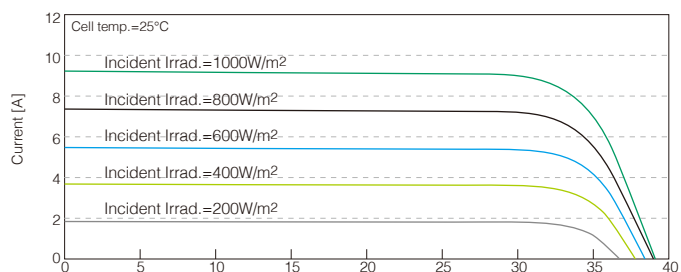
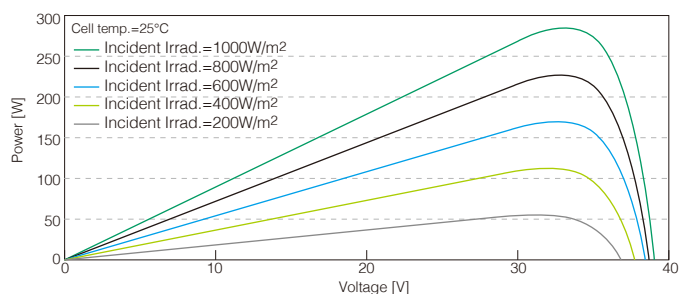
ELECTRICAL TYPICAL VALUES

Model	PS280P-20/UM	PS285P-20/UM	PS290P-20/UM	PS295P-20/UM
Type	Polycrystalline 6 inch x 6 inch square, 6 x 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 Efficiency (%)	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

Dimension (L x W x H)	Length: 1640mm (64.57 inch) 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	4mm ² (IEC) , 900mm
Junction Box	IP 67 rated

WEAK LIGHT PERFORMANCE



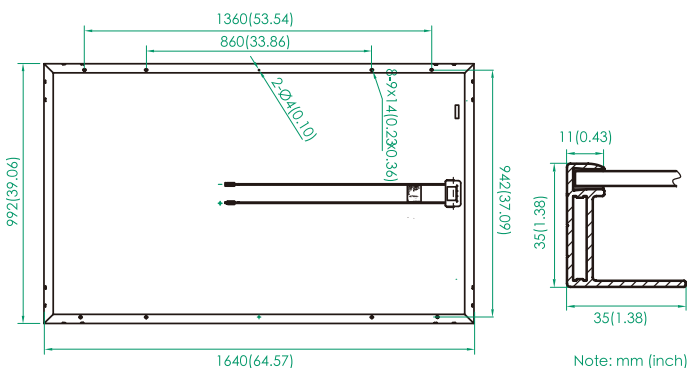
ABSOLUTE MAXIMUM RATING

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)	C
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.



Nano-Texturing+MWT Module

335-350W

Features



Higher Power Class

Higher power classes in equivalent module sizes



Higher Yield

0.5-1.5% more module efficiency



Lower Cost

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



Higher Efficiency

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

Nano+MWT Module
72
Cells

Bloomberg Tier1
NEW ENERGY FINANCE

TOP
DNV·GL PERFORMER



Anti-PID



Positive
current sorting



Fire test resistance



Salt mist corrosion
resistance



Certified to withstand
increased loads of
up to 5400Pa



10-year product warranty
25-year performance
warranty

Nano+MWT Module

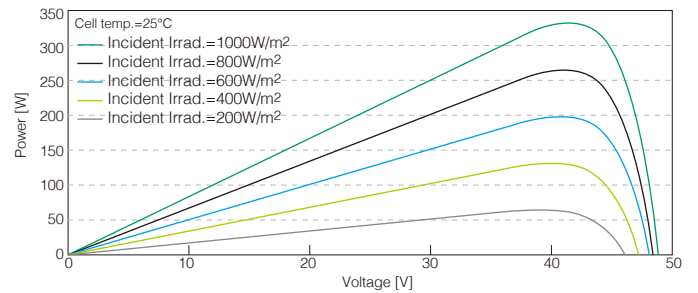
ELECTRICAL TYPICAL VALUES

Model	PS335P-24/TM	PS340P-24/TM	PS345P-24/TM	PS350P-24/TM
Type	Polycrystalline 6 inch x 6 inch square, 6 x 12 pieces in series			
Rated Power (P _{mpp})	335	340	345	350
Tolerance	0~+5w			
Rated Current (I _{mpp})	8.92	9.03	9.13	9.24
Rated Voltage (V _{mpp})	37.56	37.66	37.79	37.88
Short Circuit Current (I _{sc})	9.53	9.61	9.69	9.77
Open Circuit Voltage (V _{oc})	45.50	45.70	45.90	46.10
Module Efficiency (%)	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

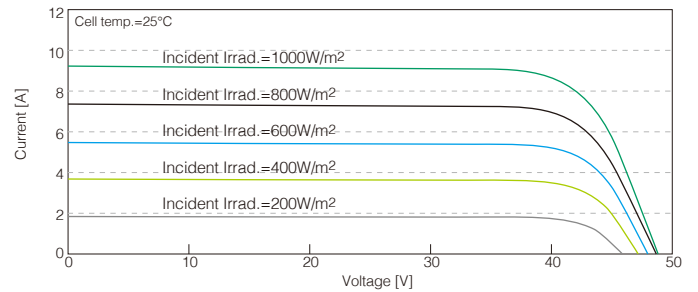
Dimension (L x W x H)	Length: 1956mm (77.01 inch) Width: 992mm (39.06 inch) Height: 40mm (1.57 inch)
Weight	22.5kg(49.60 lb)
Front Glass	3.2mm toughened glass
Frame	Anodized aluminium alloy
Cable	4mm ² (IEC) / 12AWG (UL), 1100mm
Junction Box	IP 67 rated

WEAK LIGHT PERFORMANCE



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)	C
Maximum System Voltage	DC 1000V (IEC)



PACKING CONFIGURATION

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

- 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.

