






MWT Module







275-300W

Features

-  **Higher Efficiency**
20W+ higher rated power more than common module
-  **Higher Generation**
3% higher power generation on the same installation
-  **Lower Cost**
BOS cost can be reduced by 1.2-1.5 USD cent/w
-  **Better Reliability and Stability**
No bus-bar on the cell, effectively avoid the micro crack caused by the pressure between cell edge and ribbon
-  **Wider Technical Compatibility**
MWT can be combined with most existing manufacturing process and technologies

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
30-year performance warranty |

MWT Module
60
Cells

MWT Module

ELECTRICAL TYPICAL VALUES

Model	PS275P-20/UM; PS280P-20/UM; PS285P-20/UM; PS290P-20/UM				PS285M-20/UM; PS290M-20/UM; PS295M-20/UM; PS300M-20/UM			
Type	Polycrystalline 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 (P _{mp})	275	280	285	290	285	290	295	300
Tolerance	0~+5w							
Rated Current (I _{mp})	8.76	8.87	8.97	9.07	8.97	9.07	9.17	9.26
Rated Voltage (V _{mp})	31.40	31.60	31.80	32.00	31.80	32.00	32.20	32.40
Short Circuit Current (I _{sc})	9.40	9.48	9.56	9.64	9.50	9.58	9.67	9.76
Open Circuit Voltage (V _{oc})	38.00	38.20	38.40	38.60	38.80	39.00	39.20	39.4
Module Efficiency (%)	16.90	17.21	17.52	17.83	17.52	17.83	18.13	18.44
NOCT (Nominal Operation Cell Temperature)	43°C ± 2°C							
Voltage Temperature Coefficient	-0.28%/°C				-0.29%/°C			
Current Temperature Coefficient	+0.06%/°C				+0.05%/°C			
Power Temperature Coefficient	-0.36%/°C				-0.39%/°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

ABSOLUTE MAXIMUM RATING

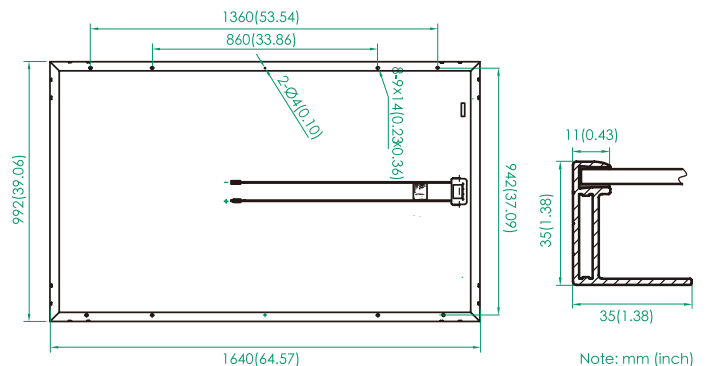
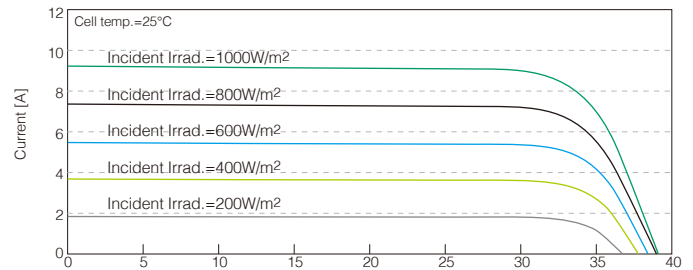
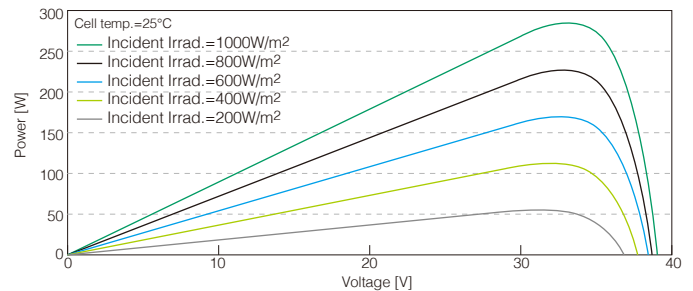
Parameter	Values
Operating Temperature	From -40 to +85°C
Hail Diameter @ 80km/h	Up to 25mm
Surface Maximum Load Capacity	5400Pa
Maximum Series Fuse Rating	15A
IEC Application Class (IEC61730)	A
Fire Rating (IEC61730)	C
Maximum System Voltage	DC 1000V (IEC)

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.

WEAK LIGHT PERFORMANCE



MWT Module

330-360W

Features



Higher Efficiency

20W+ higher rated power more than common module



Higher Generation

3% higher power generation on the same installation



Lower Cost

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



Better Reliability and Stability

No bus-bar on the cell, effectively avoid the micro crack caused by the pressure between cell edge and ribbon



Wider Technical Compatibility

MWT can be combined with most existing manufacturing process and technologies

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
30-year performance warranty

MWT Module

ELECTRICAL TYPICAL VALUES

Model	PS330P-24/TM PS335P-24/TM PS340P-24/TM PS345P-24/TM				PS345M-24/TM PS350M-24/TM PS355M-24/TM PS360M-24/TM			
Type	Polycrystalline 6 inch x 6 inch square, 6 x 12 pieces in series				Monocrystalline 6 inch x 6 inch square, 6 x 12 pieces in series			
Rated Power (P _{mp})	330	335	340	345	345	350	355	360
Tolerance	0~+5w							
Rated Current (I _{mp})	8.76	8.87	8.98	9.08	9.08	9.19	9.30	9.41
Rated Voltage (V _{mp})	37.70	37.80	37.90	38.00	38.00	38.10	38.20	38.30
Short Circuit Current (I _{sc})	9.40	9.48	9.56	9.64	9.64	9.72	9.79	9.87
Open Circuit Voltage (V _{oc})	45.40	45.60	45.80	46.00	46.00	46.20	46.40	46.60
Module Efficiency (%)	17.01	17.26	17.52	17.78	17.78	18.04	18.30	18.55
NOCT (Nominal Operation Cell Temperature)	43°C ± 2°C							
Voltage Temperature Coefficient	-0.28%/°C				-0.29%/°C			
Current Temperature Coefficient	+0.06%/°C				+0.05%/°C			
Power Temperature Coefficient	-0.36%/°C				-0.39%/°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

ABSOLUTE MAXIMUM RATING

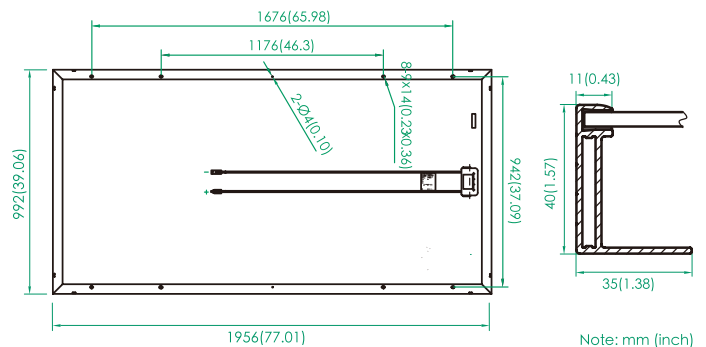
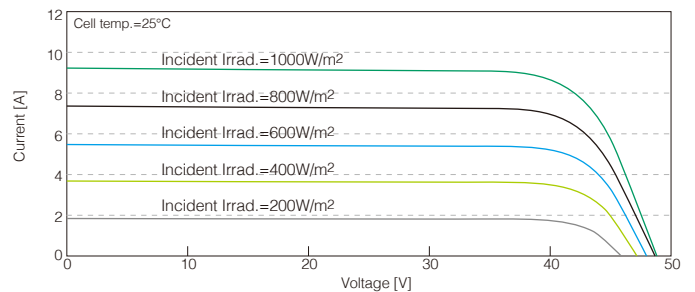
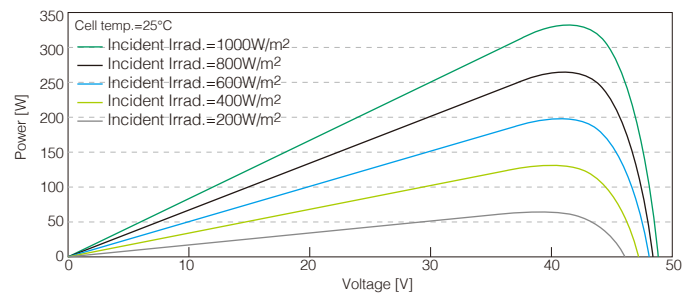
Parameter	Values
Operating Temperature	From -40 to +85°C
Hail Diameter @ 80km/h	Up to 25mm
Surface Maximum Load Capacity	5400Pa
Maximum Series Fuse Rating	15A
IEC Application Class (IEC61730)	A
Fire Rating (IEC61730)	C
Maximum System Voltage	DC 1000V (IEC)

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.

WEAK LIGHT PERFORMANCE



Phono Solar
SHARE THE SUN, POWER THE FUTURE!

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