

Premium Module

265-285W

Features



Higher Efficiency

Outstanding performance in weak-light conditions



Higher Generation

Excellent temperature coefficient giving higher yields in the long term



Better Durability

Withstand fire/dust/UV/tear tests ensure its long durability in practical application scenarios



Super Isolation

Multilayer structure, against 21kV Hi-Voltage breakdown test, extremely low water absorption & permeability guarantee its perfect performance in damp circumstance

Bloomberg Tier1
NEW ENERGY FINANCE

TOP
DNV·GL PERFORMER



PID

Anti-PID



1500V

Maximum System Voltage (optional)



Fire test resistance



IP68

IP68 connectors enhance the reliability of the PV system



Certified to withstand increased loads of up to 5400Pa



25
YEAR

10-year product warranty
25-year linear performance warranty

Premium Module
60
Cells

Premium Module

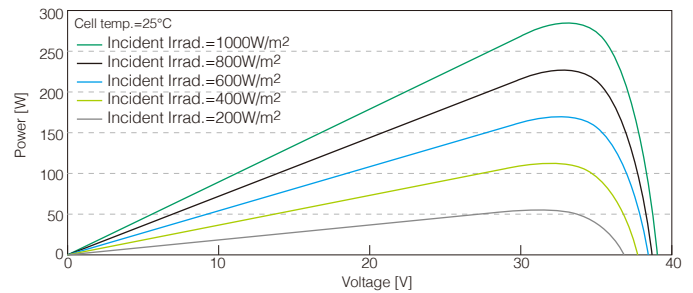
ELECTRICAL TYPICAL VALUES

Model	PS265P-20/U	PS270P-20/U	PS275P-20/U	PS275M-20/U	PS280M-20/U	PS285M-20/U
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 _{mpp})	265	270	275	275	280	285
Tolerance	0~+5w			0~+5w		
Rated Current (I _{mpp})	8.52	8.59	8.66	8.75	8.86	8.96
Rated Voltage (V _{mpp})	31.19	31.44	31.79	31.43	31.61	31.81
Short Circuit Current (I _{sc})	9.04	9.09	9.17	9.10	9.15	9.20
Open Circuit Voltage (V _{oc})	38.03	38.39	38.68	38.40	38.50	38.60
Module Efficiency (%)	16.29	16.60	16.90	16.90	17.21	17.52
NOCT (Nominal Operation Cell Temperature)	45°C ± 2°C					
Voltage Temperature Coefficient	-0.31%/°C			-0.35%/°C		
Current Temperature Coefficient	+0.06%/°C			+0.07%/°C		
Power Temperature Coefficient	-0.40%/°C			-0.45%/°C		

MECHANICAL CHARACTERISTICS

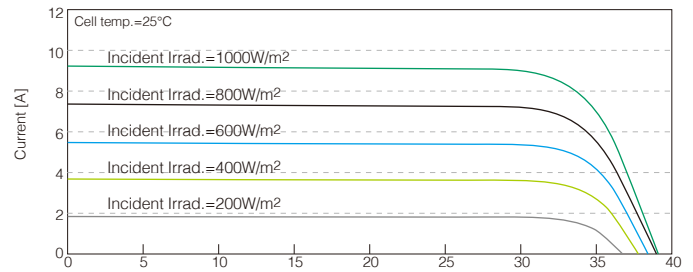
Dimension (L x W x H)	Length: 1640mm (64.57 inch) Width: 992mm (39.06 inch) Height: 40mm (1.57 inch)
Weight	19kg (41.9 lbs)
Front Glass	3.2mm toughened glass
Frame	Anodized aluminium alloy
Cable	4mm ² (IEC) / 12AWG (UL), 900mm
Junction Box	IP 68 rated

WEAK LIGHT PERFORMANCE



ABSOLUTE MAXIMUM RATING

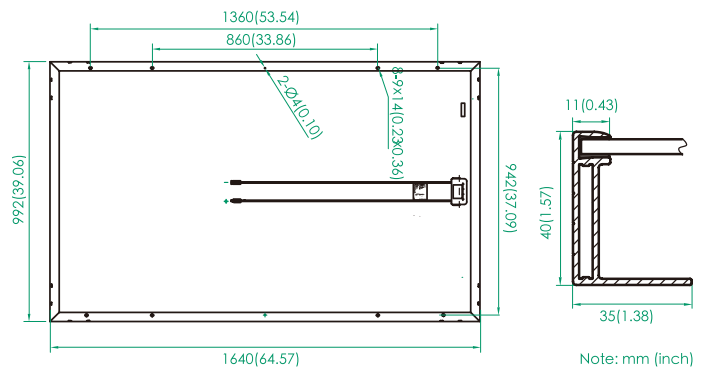
Parameter	Values
Operating Temperature	From -40 to +85°C
Hail Diameter @ 80km/h	Up to 25mm
Surface Maximum Load Capacity	Up to 5400Pa
Maximum Series Fuse Rating	15A
IEC Application Class (IEC61730)	A
Fire Rating (IEC61730)	C
Module Fire Performance (UL1703)	Type 1
Maximum System Voltage	DC 1000V (IEC) DC 600V (UL) / 1000V (ETL)/1500V(ELT)



PACKING CONFIGURATION

Container	40'HQ	20'GP
Pieces / Container	728	264

- 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.



Premium Module

320-345W

Features



Higher Efficiency

Outstanding performance in weak-light conditions



Higher Generation

Excellent temperature coefficient giving higher yields in the long term



Better Durability

Withstand fire/dust/UV/tear tests ensure its long durability in practical application scenarios



Super Isolation

Multilayer structure, against 21kV Hi-Voltage breakdown test, extremely low water absorption & permeability guarantee its perfect performance in damp circumstance

Premium Module
72
Cells

Bloomberg Tier1
NEW ENERGY FINANCE

TOP
DNV-GL PERFORMER



PID

Anti-PID



1500V

Maximum System Voltage (optional)



Fire test resistance



IP68

IP68 connectors enhance the reliability of the PV system



Certified to withstand increased loads of up to 5400Pa



25
YEAR

10-year product warranty
25-year linear performance warranty

Premium Module

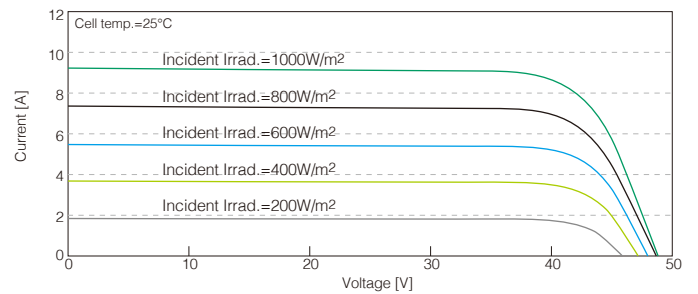
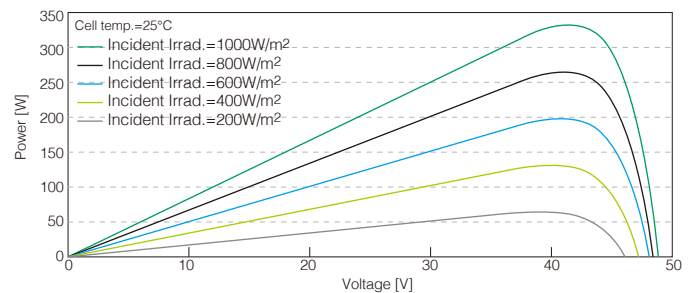
ELECTRICAL TYPICAL VALUES

Model	PS320P-24/T	PS325P-24/T	PS330P-24/T	PS335M-24/T	PS340M-24/T	PS345M-24/T
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 _{mpp})	320	325	330	335	340	345
Tolerance	0~+5w			0~+5w		
Rated Current (I _{mpp})	8.49	8.53	8.57	8.80	8.89	8.98
Rated Voltage (V _{mpp})	37.70	38.11	38.53	38.09	38.29	38.50
Short Circuit Current (I _{sc})	9.03	9.11	9.15	9.09	9.16	9.23
Open Circuit Voltage (V _{oc})	46.04	46.34	46.74	47.30	47.50	47.70
Module Efficiency (%)	16.49	16.75	17.01	17.26	17.52	17.78
NOCT (Nominal Operation Cell Temperature)	45°C ± 2°C					
Voltage Temperature Coefficient	-0.31%/°C			-0.35%/°C		
Current Temperature Coefficient	+0.06%/°C			+0.07%/°C		
Power Temperature Coefficient	-0.40%/°C			-0.45%/°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)
Junction Box	IP 68 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	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)/1500V(ELT)

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.

