

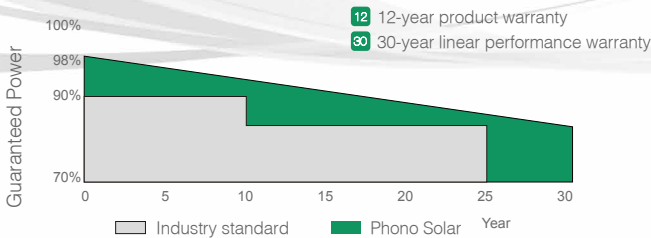
Phono[®] Solar

Nova Module

Mono-perc/320-335W

- 20W** **Higher Efficiency**
20W+ higher rated power more than common module
- Excellent Reliability**
No soldering, avoiding mechanical stress, cold soldering, Micro-crack
- 0 to +5W** **Plus Power Tolerance**
0~+5W Power Tolerance Max Power Output
- No PID**
With specific treatment, PV module passed strict PID test, no PID risk
- Unique Appearance**
Specially designed grid feature, nick-looking

Bloomberg **Tier1**  **TOP PERFORMER**



EN EN-20190523


SUMEC GROUP CORPORATION

ELECTRICAL TYPICAL VALUES

Model	PS320M-20/UM	PS325M-20/UM	PS330M-20/UM	PS335M-20/UM
Type	Monocrystalline 6 inch x 6 inch square, 6 × 10 pieces in series			
Rated Power (Pmpp)	320W	325W	330W	335W
Tolerance	0~+5w			
Rated Current (Impp)	9.88	9.97	10.07	10.16
Rated Voltage (Vmpp)	32.40	32.60	32.80	33.00
Short Circuit Current (Isc)	10.36	10.44	10.52	10.62
Open Circuit Voltage (Voc)	39.60	39.80	40.00	40.20
Module Efficiency (%)	19.67	19.98	20.28	20.59
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

Length	1640mm (64.57 inch)
Dimension (L x W x 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	4mm ² (IEC) , Length:1000mm or Customized length
Junction Box	IP 67 rated

ABSOLUTE MAXIMUM RATING

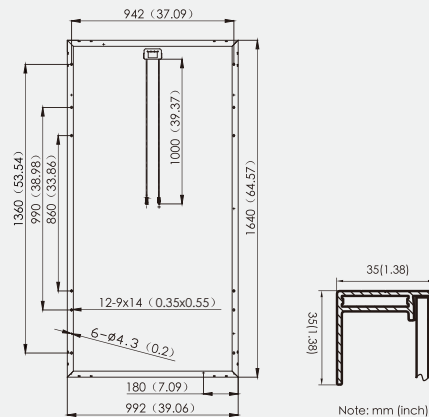
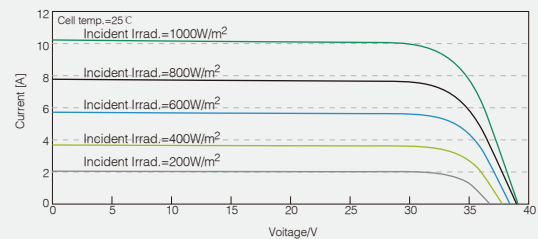
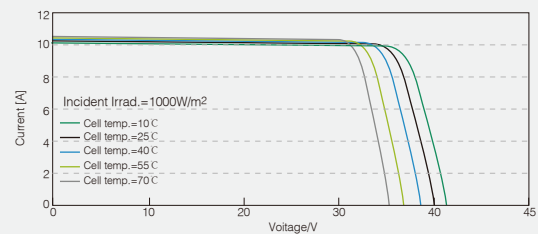
Parameter	Values
Operating Temperature	From -40 to +85°C
Hail Diameter @ 80km/h	Up to 25mm
Surface Maximum Load Capacity	Up to 5400Pa
Maximum Series Fuse Rating	15A
IEC Application Class (IEC61730)	A
Fire Rating (IEC61730)	C
Module Fire Performance (UL 1703)	Type1
Maximum System Voltage	DC 1000V (TUV)

PACKING CONFIGURATION

Container	20' GP	40' HQ
Pieces/Container	312	896

- 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.

ELECTRICAL CHARACTERISTICS



Phono[®] Solar

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](http://www.phonosolar.com), [E-mail:info@phonosolar.com](mailto:info@phonosolar.com)