



## MECHANICAL CHARACTERISTICS

<b>Solar Cells</b>	Polycrystalline 156mm x 156mm square, 6 × 10 pieces in series
<b>Dimension</b>	Length: 1640mm (64.6 inch)
	Width: 992mm (39.1 inch)
	Height: 40mm (1.6 inch)
<b>Weight</b>	19kg (41.9lbs)
<b>Front Glass</b>	3.2mm toughened glass
<b>Frame</b>	Anodized aluminium alloy
<b>Cable</b>	4mm <sup>2</sup> (IEC) / 12AWG(UL), 900mm
<b>Junction Box</b>	IP 67 rated

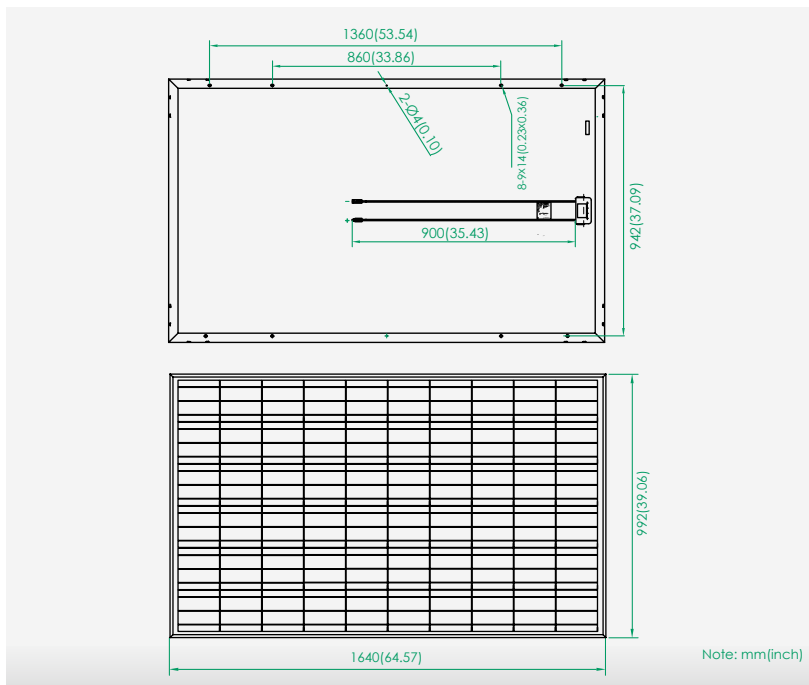
## ABSOLUTE MAXIMUM RATING

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 (UL 1703)	C
Maximum System Voltage	DC 1000V(IEC)
	DC 600V(UL)/1000V(ETL)

## ELECTRICAL TYPICAL VALUES<sup>[4],[5]</sup>

Model	Rated Power (P <sub>mpp</sub> )	Rated Current (I <sub>mpp</sub> )	Rated Voltage (V <sub>mpp</sub> )	Short Circuit Current (I <sub>sc</sub> )	Open Circuit Voltage (V <sub>oc</sub> )	Module Efficiency (%)
PS250P-20/U	250W	8.30A	30.2V	8.70A	37.8V	15.37
PS255P-20/U	255W	8.42A	30.4V	8.80A	37.9V	15.67
PS260P-20/U	260W	8.53A	30.6V	8.90A	38.0V	15.98
PS265P-20/U	265W	8.61A	30.8V	9.00A	38.1V	16.29

## DIMENSIONS



## TEMPERATURE CHARACTERISTICS

<b>NOCT (Nominal Operation Cell Temperature)</b>	45°C ± 2°C
<b>Voltage Temperature Coefficient</b>	-0.31%/K
<b>Current Temperature Coefficient</b>	+0.07%/K
<b>Power Temperature Coefficient</b>	-0.44%/K

## WEAK LIGHT PERFORMANCE

Intensity [W/m <sup>2</sup> ]	I <sub>mpp</sub>	V <sub>mpp</sub>
1000	1.0	1.000
800	0.8	0.996
600	0.6	0.990
400	0.4	0.983
200	0.2	0.952

## PACKING CONFIGURATION

<b>Container</b>	40' HQ
<b>Pieces per pallet</b>	24
<b>Pallets per container</b>	28
<b>Pieces per container</b>	672

## PARTNER INFORMATION

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 94522 Wallersdorf / Germany  
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Note: This datasheet is not legally binding. Phono Solar reserves the right to make specifications changes without notice. Further information can be found on our website: [www.phonosolar.com](http://www.phonosolar.com)

1. Anti-PID modules are only available upon request.
2. In compliance with our warranty terms and conditions.
3. In PV Cycle member countries only, see: [www.pvcycle.org](http://www.pvcycle.org)
4. Measurement conditions under irradiance level of Standard Test Conditions(STC): 1000W/m<sup>2</sup>, Air mass 1.5 Spectrum, cell temperature of 25°C.