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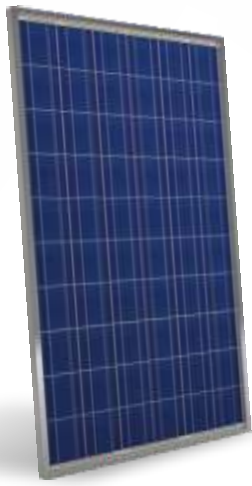
**Email: [contact@energypal.com](mailto:contact@energypal.com)**

# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Novergy Energy Solutions Pvt. Ltd.  
PCA Series (60 Cells) 250-295  
PCA 270**

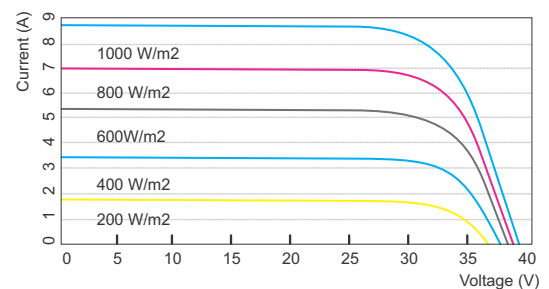
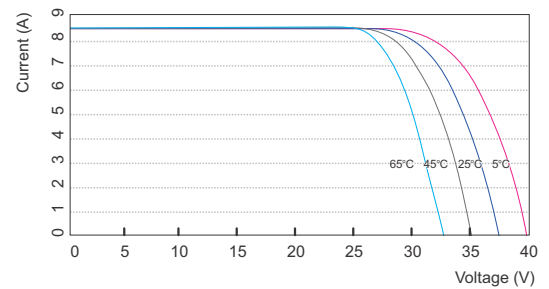
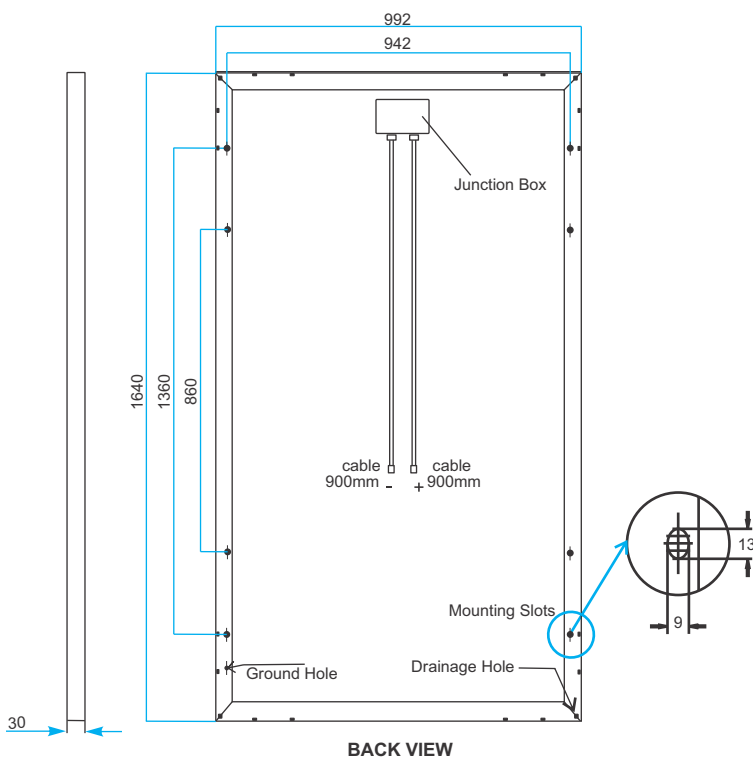
Also available on the web at  
[EnergyPal.com/novergy-energy-solutions-pvt-ltd-solar-panels/pca-270](http://EnergyPal.com/novergy-energy-solutions-pvt-ltd-solar-panels/pca-270)



# POLY CRYSTALLINE SERIES

## 60 Cell

| Model                           | PCA 250  | PCA 265 | PCA 270 | PCA 275 | PCA 280 | PCA 285 | PCA 290 | PCA 295 |
|---------------------------------|--|---------|---------|---------|---------|---------|---------|---------|
| Type of cells                   | 6" Poly crystalline Silicon  |         |         |         |         |         |         |         |
| Number of cells                 | 60   |         |         |         |         |         |         |         |
| Wattage (Wp)                    | 250  | 265     | 270     | 275     | 280     | 285     | 290     | 295     |
| Voltage at max. power (Vmax)    | 31.8   | 32.5    | 32.7    | 32.9    | 33.2    | 33.4    | 33.6    | 33.9    |
| Open Circuit Voltage (Voc)      | 37.8   | 38.6    | 38.8    | 39.0    | 39.3    | 39.6    | 39.9    | 40.2    |
| Current at maximum power (Imax) | 7.86   | 8.15    | 8.26    | 8.36    | 8.43    | 8.53    | 8.63    | 8.70    |
| Short circuit current (Isc)     | 8.25   | 8.54    | 8.65    | 8.74    | 8.85    | 8.96    | 9.06    | 9.17    |
| Frame                           | Anodized Aluminium   |         |         |         |         |         |         |         |
| Front Glass                     | Tempered 3.2mm   |         |         |         |         |         |         |         |
| Junction box                    | IP67   |         |         |         |         |         |         |         |
| Cable                           | 4mm <sup>2</sup> PV Cable  |         |         |         |         |         |         |         |
| Connector                       | MC4  |         |         |         |         |         |         |         |
| Number of Diode                 | 3  |         |         |         |         |         |         |         |
| Dimensions (mm)                 | 1640 x 992 x 30  |         |         |         |         |         |         |         |
| Max Series fuse rating          | 15A  |         |         |         |         |         |         |         |
| Weight (kg)                     | 17.8   |         |         |         |         |         |         |         |
| Operating temperature (Deg. C)  | -40 to +85   |         |         |         |         |         |         |         |
| Application Class               | Class A  |         |         |         |         |         |         |         |
| Maximum system voltage          | 1000 VDC   |         |         |         |         |         |         |         |
| Temp. Coefficients              | Power = - 0.37% / °C    Voltage = - 0.31% / °C    Current = + 0.05% / °C |         |         |         |         |         |         |         |
| NOCT                            | 45 +/- 2 °C  |         |         |         |         |         |         |         |
| Maximum Load                    | 5400 Pa  |         |         |         |         |         |         |         |



Specifications are subject to change without prior notice.