

Conergy PH 230P-255P

The Conergy PH 230P-255P solar modules offer a high level of module output at an attractive price/performance ratio. They are equipped with 60 efficient, polycrystalline cells and have proven their worth in practical applications over the years. They are characterised by high yields and a long service life. Their production is certified in accordance with the ISO 9001 international quality standard and meets the high quality standards of Conergy. Thanks to the superb quality of manufacture and standardised dimensions, the Conergy PH 230P-255P can be used for all applications.

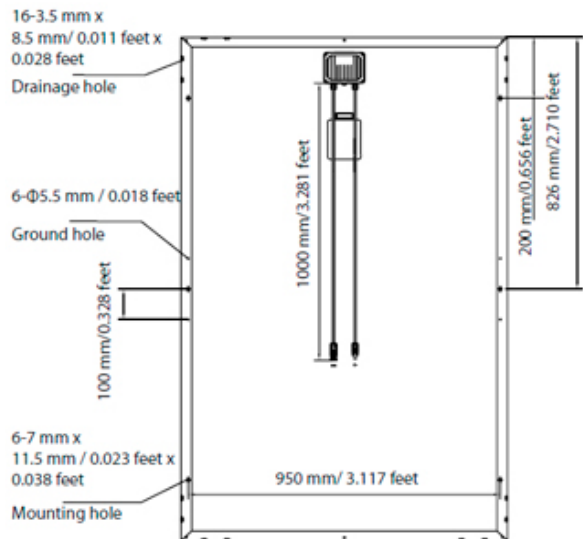
Solar modules in the Conergy P-series are also available with monocrystalline and polycrystalline cells in other power classes and different module dimensions.



Features:

- | Attractive price/performance ratio
- | 3 busbar cell design for better efficiency and yield
- | Precision, +3% power tolerance
- | 10-year product warranty
- | PV wire cables for use with transformerless inverters
- | Anti-reflective and self cleaning surface reduces power loss from dirt and dust
- | Listed for 1000v use where applicable
- | High Salt Corrosion and Humidity Resistance – complies with IEC 61701: Salt Mist Corrosion Testing
- | Robust frame design allows short side frame mounting
- | Certified to UL 1703 (US and Canada), IEC/EN 61215 Ed.2, IEC/EN 61730
- | Black frame version available

Conergy PH 230P-255P



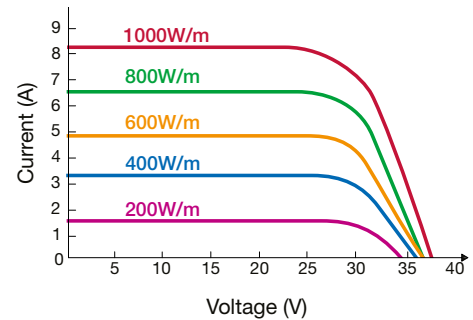
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|-----------------------------------|---|
| Module dimensions (L x W x H) | 1652 x 994 x 40mm / 65.0 x 39.1 x 1.57 in |
| Cell dimensions | 156 x 156 mm/6.14 x 6.14 in |
| Number of cells | 60 |
| Module weight | 19.5kg/43lb |
| Maximum load | 5400Pa/113psf - standard mount zones 2400Pa/50psf - short side mount zones |
| Glass | 3.2mm tempered |
| Junction box | IP65 Class |
| Cable | 1000mm/39.4 in, 4mm ² 12AWG PV wire (UL4703) |
| Connector | MC4 Compatible |
| Certifications | |
| Operating certifications | UL1703 (USA and Canada), IEC 61215 Ed.2 |
| Fire safety classification | Class C |
| Warranty | |
| Material and workmanship warranty | 10 years |
| Power warranty 1 | 90%/10 years |
| Power warranty 2 | 80%/25 years |



| | Conergy PH Series | | | | | |
|---|-----------------------|--------|--------|--------|--------|--------|
| | 230P | 235P | 240P | 245P | 250P | 255P |
| Rated power (P_{max}) ¹ | 230W | 235W | 240W | 245W | 250W | 255W |
| Power tolerance | +3% | +3% | +3% | +3% | +3% | +3% |
| Module efficiency | 14.0% | 14.3% | 14.6% | 14.9% | 15.2% | 15.5% |
| Maximum power voltage (V_{mpp}) | 27.78V | 29.16V | 29.54V | 29.92V | 30.30V | 30.68V |
| Maximum power current (I_{mpp}) | 7.99A | 8.06A | 8.13A | 8.20A | 8.27A | 8.33A |
| Open circuit voltage (V_{oc}) | 37.4V | 37.6V | 37.8V | 37.98V | 38.19V | 38.40V |
| Short circuit current (I_{sc}) | 8.53A | 8.56A | 8.59A | 8.62A | 8.65A | 8.69A |
| Nominal Operating Cell Temperature (NOCT) | 43±2°C | | | | | |
| Temperature coefficient (P_{max}) | -0.47%/°C | | | | | |
| Temperature coefficient (V_{oc}) | -0.34 %/°C | | | | | |
| Temperature coefficient (I_{sc}) | 0.05 %/°C | | | | | |
| Maximum system voltage | 1000V(UL)/1000V (IEC) | | | | | |
| Maximum Series Fuse Rating | 15A | | | | | |

¹ At Standard Test Conditions (STC): 1000W/m², 25°C, air mass 1.5

Conergy PH 230P I-V Curves



Available from: