



CONERGY

# Conergy PH 225P-240P

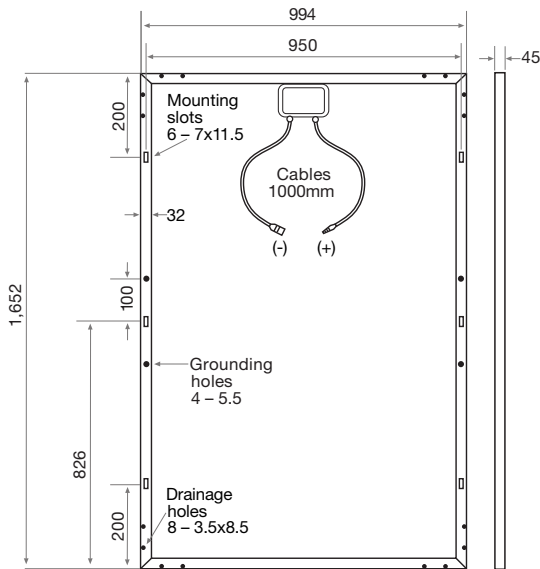
Conergy PH Series modules offer high output levels at an attractive price/performance ratio. Equipped with 60 efficient, polycrystalline cells, Conergy PH is characterized by high yields and a long service life. Conergy PH production is certified to ISO 9001 international quality standards and Conergy continually monitors the production process to insure product quality. These high-efficiency modules are powerful and versatile enough for any application from residential through utility scale.



## Features:

- | Attractive price/performance ratio
- | High module output
- | Certified to UL 1703 (US and Canada), IEC/EN 61215 Ed.2, IEC/EN 61730
- | Precision,  $\pm 3.0\%$  power tolerance
- | 5-year product warranty

# Conergy PH 225P-240P



All dimensions in mm

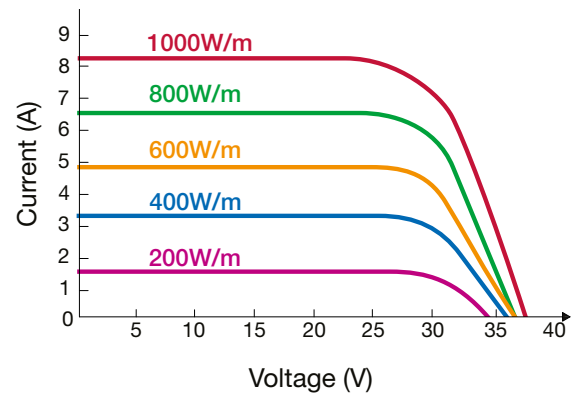
<b>Module dimensions</b> (L x W x H)	1652 x 994 x 45mm / 65.0 x 39.1 x 1.8 in
Cell dimensions	156 x 156 mm/6.14 x 6.14 in
Number of cells	60
Module weight	20kg/44.1lb
Wind/snow load	5400Pa/113psf
Glass	Tempered
Junction box	IP65 Class
Cable	1000mm/39.4 in, 4mm <sup>2</sup> diameter, USE-2
Connector	MC4 Compatible
<b>Certifications</b>	
Operating certifications	UL1703 (USA and Canada), IEC 61215 Ed.2
Fire safety classification	Class C
<b>Warranty</b>	
Material and workmanship warranty	5 years
Power warranty 1	90%/10 years
Power warranty 2	80%/25 years



	Conergy PH Series			
	225P	230P	235P	240P
<b>Rated power (P<sub>max</sub>)<sup>1</sup></b>	225W	230W	235W	240W
<b>Power tolerance</b>	±3%	±3%	±3%	±3%
<b>Module efficiency</b>	13.7%	14.0%	14.3%	14.6%
<b>Maximum power voltage (V<sub>mpp</sub>)</b>	28.4V	28.8V	29.2V	29.5V
<b>Maximum power current (I<sub>mpp</sub>)</b>	7.92A	7.99A	8.06A	8.13A
<b>Open circuit voltage (V<sub>oc</sub>)</b>	37.1V	37.4V	37.6V	37.8V
<b>Short circuit current (I<sub>sc</sub>)</b>	8.49A	8.53A	8.56A	8.59A
<b>Nominal Operating Cell Temperature (NOCT)</b>	43±2°C			
<b>Temperature coefficient (P<sub>max</sub>)</b>	-0.47%/°C			
<b>Temperature coefficient (V<sub>oc</sub>)</b>	-0.34%/°C			
<b>Temperature coefficient (I<sub>sc</sub>)</b>	0.05%/°C			
<b>Maximum system voltage</b>	600V(UL)/1000V (IEC)			
<b>Maximum Series Fuse Rating</b>	15A			

<sup>1</sup> At Standard Test Conditions (STC): 1000W/m<sup>2</sup>, 25°C, air mass 1.5

Conergy PH 225P I-V Curves



Available from: