

GENERAL SPECIFICATIONS

PVI-WIND-INTERFACE

General Specifications:

Wind Interface Box

The Power-One Aurora Wind Interface Box represents an application of the successful Aurora inverter to small wind applications. The compact wind interface box is designed for a grid-connected application. The Aurora inverter can be configured to an OEM's specific MPPT power curve. The model PVI-Windbox is used in combination with the Aurora Wind Inverter.

AURORA® Wind Interface Features

- Conversion efficiency at rating: 99.4%
- 3-Phase input from PMG
- High output power at full rating 7200W
- Fused wind input
- Automatic brake function above 530 Vdc
- External brake resistor options

Description

Parameters

Input Voltage Range (no damage)	- 0 to 400 VAC
Operating Input Voltage range from PMG (permanent Magnet Generator)	- 40-400Vac / 0-600Hz
Max. Operating Input Current	- 16.6A RMS
Input Overcurrent (fuse protected)	- 20A RMS
Max. Output Power (@400 VAC, PFC>0.7)	- 7200W
Output Voltage Range (operating)	- 50-600 Vdc
Automatic Brake Function	- >530 Vdc
Efficiency (@400 VAC, PFC>0.7)	- 99.4%
DC Output Voltage Range	- 0-600 Vdc
Max. Current in the Brake Resistor	- 30 A
Operating Ambient Temperature	- -25°C to +55°C
Enclosure Type	- NEMA 4X
Relative Humidity	- 0-100% condensing
Audible Noise	- < 40 dBA
Size (height x width x depth)	- 29 x 26 x 9.5 (mm)

STANDARDS AND CODES

The WIND-INTERFACE BOX complies with standards set for grid-tied operation, safety and electromagnetic compatibility including: UL1741 and CSA C22.2 No.107.1-01