

GENERAL SPECIFICATIONS PVI-WIND-INTERFACE

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 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



Wind Interface Box

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)	290x260x95 (mm)

MODELS SUMMARY

MODEL CODE	POWER
PVI-7200-WIND-INTERFACE	7200W
PVI-4000-WIND-INTERFACE	4000W
PVI-2500-WIND-INTERFACE	2500W

STANDARDS AND CODES

WIND-INTERFACE BOX comply with standards set for grid-tied operation, safety and electromagnetic compatibility including: UL1741 and CSA C22.2 N.107.1-01

Block Diagram

