

General Specifications

PVI-WIND-INTERFACE



Wind interface Box

Wind Interface Box

The Power-One Aurora Wind Interface Box further extends the series of Aurora inverters to small wind applications. The Wind Interface Box is used in combination with the Aurora Wind Inverters that can be configured to an OEM's specific MPPT power curve.

AURORA[®] Wind Interface Features

- Conversion efficiency at rating: 99.4%
- 3-Phase input from PMG
- High output power at full rating 7,200W
- Fused wind input
- Automatic brake function above 530 Vdc
- External brake resistor option

Standards and codes

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

Models	AC Power
PVI-7200-WIND-INTERFACE	7,200W
PVI-4000-WIND-INTERFACE	4,000W
PVI-2500-WIND-INTERFACE	2,500W

Description	Description Parameter
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)	1 1/8" x 1" x 3/8"

Block Diagram and Operating Configurations

