

General Specifications PVI-WIND-INTERFACE

General Specification Wind Interface Box

The Magnetek 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 PVI-3600.



General Specification Wind Interface Parameters

Description	Parameter
Input Voltage Range (no damage)	40 to 400 VAC
Input Voltage From PMG (Permanent Magnet Generator)	3-Phase
Max. Operating Input Current	15 A RMS
Input Overcurrent (fuse protected)	20 A RMS
Max. Output Power (@400 VAC, PFC>0.7)	7 kW
Output Voltage Range (operating)	50-530 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 +60°C (-13°F to +140°F)
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)

AURORA® Wind Interface Features

- Conversion Efficiency at Rating: 99.4%
- 3 - Phase Input from PMG
- High output power at full rating 7kW
- Fused Wind input
- Automatic brake function above 530 VDC
- External brake resistor options

AURORA® Wind Model Summary

- PVI-Windbox=Aurora Wind Interface Box
- PVI-3600-Wind=Outdoor Grid Connected Inverter with MPPT (Consult Wind OEM for specific model)

AURORA WIND BLOCK DIAGRAM

