

PVI-DESKTOP

GENERAL SPECIFICATIONS

PVI-DESKTOP

The Aurora Desktop provides the ability to monitor performance of connected inverters and is ideal for residential and small commercial PV and wind applications.

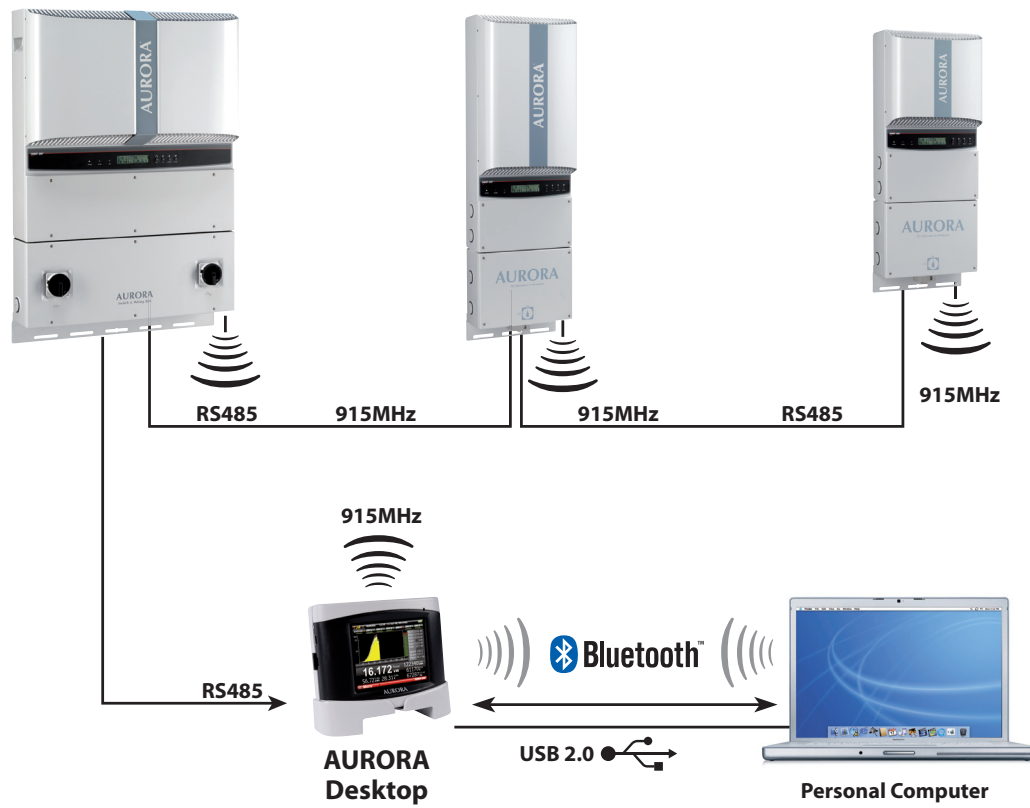
In addition to wired connectivity (via RS-485), the Aurora Desktop system can also be connected to six target inverters via a wireless RF transceiver link capable of connectivity anywhere within 960 feet (free field). The wireless communication requires an optional radio transceiver module to be installed in each inverter.



Features

- The system can be linked to a personal computer via Bluetooth (-BT version) or USB connectivity, and will therefore allow performance monitoring at any location with online access using Aurora Communicator
- Energy harvesting data for up to six Aurora inverters can be monitored simultaneously using the Aurora Desktop

DESKTOP HIGHLIGHTS



Block Diagram

PARAMETER	PVI-DESKTOP	PVI-DESKTOP-AU	PVI-DESKTOP-US
Inverter Communication - Radio			
Radio Communication	864 MHz	915...927 MHz	915 MHz
Maximum Radio Coverage	300 m / 960 ft Free Space		
Wired Communication	RS485 (Half Duplex 19200 bps)		
Maximum Wired Connection	2000 m / 3280 ft		
PC Communication			
Wireless	Bluetooth (Optional)		
Wired Communication	USB 2.0		
Connectivity			
Compatibility with Inverters	AURORA® PVI String Series ⁽¹⁾		
Maximum Number of AURORA® Inverters	6		
Features			
Data Displaying Parameters	All Parameters of AURORA® Inverters ⁽¹⁾		
Data Storage Parameters	Power and Energy (by SD Card)		
Software Upgrade	USB (AURORA® COMMUNICATOR) or SD Card		
Language	IT / EN / ES / DE / FR		
Power Supply			
AC/DC Adapter	5 V, 1 A, 50/60 Hz		
USB	Yes		
Stand Alone	Rechargeble Li-Ion Battery		
Display			
Dimensions	3.5"		
Color	Yes		
Resolution	QVGA 320X240 px		
Type	Integrated Touch Screen Resistive		
Equipment			
Stylus Pen	Yes		
AC Adapter	Yes		
USB Cable	Yes		
SD Card (1GB)	Yes		
Environmental Parameters			
Ambient Temperature Range in °C (°F)	0/+ 40°C (32/104°F)		
Environmental Protection Rating	IP20	IP20	NEMA 1
Relative Humidity	< 90% Non Condensing		
Mechanical			
Dimensions H x W x D	102mm x 125mm x 35mm / 4" x 5" x 2.1"		
Weight	< 0.4 kg / 0.88 lb		
Mounting Kit (Desk and Wall)	Yes		
Available Product Variants			
Standard	PVI-DESKTOP	PVI-DESKTOP-AU	PVI-DESKTOP-US
Bluetooth	PVI-DESKTOP-BT	PVI-DESKTOP-BT-AU	PVI-DESKTOP-BT-US
Safety			
Marking	CE	C-Tick	FCC
Safety and EMC Standards	EN 60950, EN 62311, EN 301 489, EN 50371, EN 300 220, EN 300 328	AS/NZS 4268	FCC Cfr 47 part 15

(1) All AURORA® String Series equipped with Radio Transmitter (Optional Feature). Further information about compatibility on the AURORA® PVI-DESKTOP FAQ – Frequently Asked Question



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