power-one®
Changing the Shape of Power

AURORA®
Photovoltaic Inverters

General Specifications
Control and Monitoring Solutions

PVI-DESKTOP-US

Simple, Powerful, Effective and Upgradable

The Aurora® PVI-DESKTOP is the ideal monitoring solution for residential and small commercial photovoltaic applications. Wireless installation, radio communication with the monitored devices, and touch screen color TFT display make the PVI-DESKTOP an appealing solution to customers who want to have production data and device status available at a glance without use of either computer or internet connection. The software is easily upgradable by free downloading from the web.
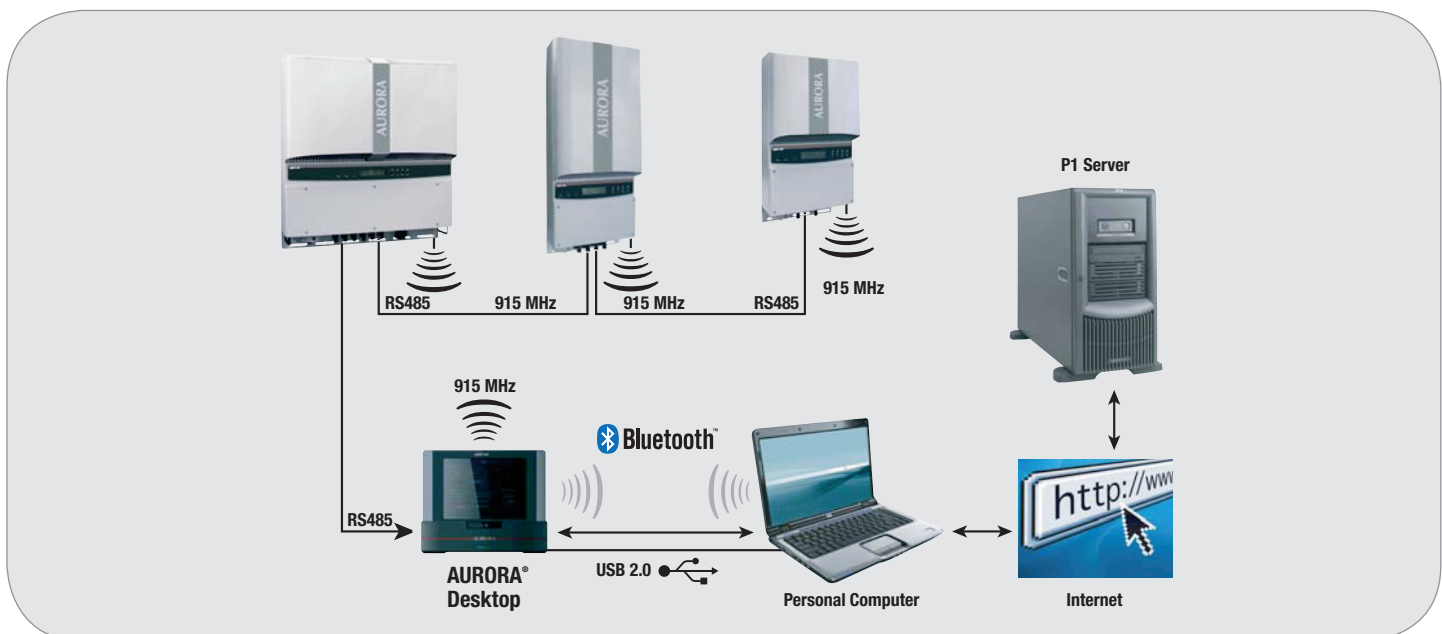
Features
- Elegant design.
- 3.54" x 4.92" x 1.38" (W x H x D).
- Portable display module with rechargeable lithium-Ion battery.
- 3 1/2" RGB Color, TFT touch screen.
- USB 2.0 port and Bluetooth for PC data download and software upgrading.
- Extended SD memory card.
- Radio transmission 915 MHz.
- Up to 1,000 ft operating range from inverters.
- Communicate with up to 6 Aurora® devices.
- RS485 port for optional wired communication with inverters.
- Mono audio speaker.

Flexibility
- Triple power supply (DC, USB, integrated lithium battery).
- Table top or wall mounting.
- Backup time: Up to 3 weeks with fully charged battery.
- Battery recharge through either AC adapter or USB Hi-Power port.
- Very large data storage capability (through standard SD Card).
- Free firmware upgrading *www.power-one.com*.
- Complete, easy, and user-friendly data collection & representation.

Desktop Highlights

P1 Server

RS485   915 MHz   915 MHz   RS485

915 MHz

915 MHz

Bluetooth™

RS485

AURORA®
Desktop

USB 2.0

Personal Computer

Internet

Renewable Energy Division

CHARACTERISTICS	AURORA® DESKTOP
INVERTER COMMUNICATION	
Carrier Frequency [MHz]	915 MHz
Coverage	up to 1,000 ft free space
Wired Communication	RS485 port (half duplex 19200 bps, 1 km)
Inverter Compatibility	All AURORA® string series (with optional radio transmitter)
Maximum Number of Inverters	6
PC COMMUNICATION	
Wireless	Bluetooth
Wired Communication	USB 2.0
DISPLAY	
Dimensions [inches]	Color 3.5
Resolution (pixels)	QVGA (320 x 240)
Integrated Touch Screen	YES, resistive
POWER SUPPLY	
DC	5 V / 1 A
USB	Yes
Standalone	Rechargeable Li-Ion battery
STANDARD EQUIPMENT	
Stylus Pen	YES
AC Adapter	YES
USB Cable	YES (1 m)
SD Card	YES (1 Gb)
FEATURES	
Data Acquisition and Display - Inverter	All inverter parameters, data, and alarms
Data Collection and Storage	Internal (SD Card) / External via AURORA® Communicator software
Software Upgrade	Free download from www.*power-one.com*
Languages	IT / EN / ES / DE / FR
Personalized Graphical Skin	Free download from www.power-one.com
ENVIRONMENTAL PARAMETERS	
Ambient Temp. Range [°C]	0 °C to + 40 °C
Environmental IP Rating	IP20
Relative Humidity	0-90% non-condensing
MECHANICAL	
Dimensions [H x W x D] inches	3.54 x 4.92 x 1.38
Weight [lb]	0.88

Operating Configurations

w w w . p o w e r - o n e . c o m