## **PVI-DESKTOP-AU**



# **General Specifications Control and monitoring solutions**

#### **PVI-DESKTOP-AU**

## 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 colour TFT display make the PVI-DESKTOP an appealing solution to customers who want to have production data and devices 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**

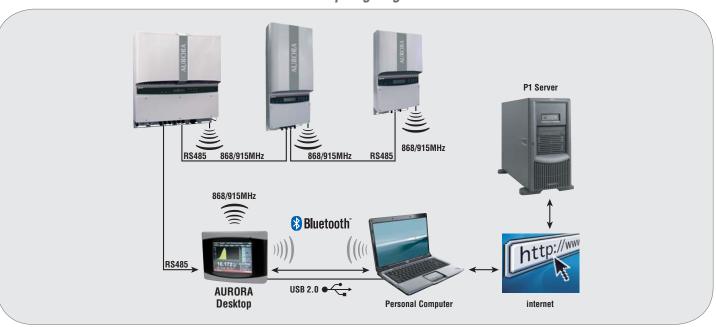
- · Elegant design.
- 120x90x35 mm (W x H x D).
- · Portable display module with Rechargeable Lithium-Ion battery.
- 3"1/2 touch screen TFT Colour RGB.
- USB 2.0 port and Bluetooth for PC data download and software upgrading.
- · Extended memory on SD card.
- Radio transmission 868MHz or 915MHz.
- Up to 300 meters (1000 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.
- Back up 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 friendly data collection and representation

### **Desktop HighLights**





INVERTER COMMUNICATION   S68MHz / 915MHz (user selectable)	ALLADA ATERIATION	
Carrier frequency [MHz]	CHARACTERISTICS	AURORA DESKTOP
Coverage         up to 300mt free space           Wired communication         RS485 port (half duplex 19200bps, 1km)           Inverter compatibility         All AURORA string series (with optional radio transmitter)           Maximum number of inverters         6           PC COMMUNICATION         6           Wireless         Bluetooth           Wire d communication         Usb 2.0           DISPLAY         Color 3.5°           Resolution (pixels)         Color 3.5°           Resolution (pixels)         OVGA (320 x 240)           Integrated touch screen         YES, resistive           POWER SUPPLY         5V/1A           Usb         Yes           Stand alone         Rechargeable Li-lon battery           Stand alone         Rechargeable Li-lon battery           STANDARD EQUIPMENT         YES           Lub cable         YES           Usb cable         YES           Usb cable         YES (1mt)           SD Card         YES (1Gb)           FATURES         All inverter parameters, data and alarms           Data acquisition and display - Inverter         All inverter parameters, data and alarms           Data topical control of the communication of the co	INVERTER COMMUNICATION	
Wired communication         R\$485 port (half duplex 19200bps, 1km)           Inverter compatibility         All AURORA string series (with optional radio transmitter)           Maximum number of inverters         6           PC COMMUNICATION         Bluetooth           Wirel ses         Bluetooth           Wirel communication         Usb 2.0           DISPLAY         Color 3.5"           Resolution (pixels)         QVGA (320 x 240)           Integrated touch screen         YES, resistive           POWER SUPPLY         Strand Communication           DC         5V/1A           Usb         Yes           Stand alone         Rechargeable Li-Ion battery           STANDARD EQUIPMENT         YES           Stylus pen         YES           AC Adapter         YES           Usb cable         YES           Usb cable         YES           JUST Communication of the properties of the properti	Carrier frequency [MHz]	868MHz / 915MHz (user selectable)
Inverter compatibility  Maximum number of inverters 6 PC COMMUNICATION  Wireless Bluetooth Wireless Bluetooth Wireless Color 3.5' Resolution (pixels)	Coverage	up to 300mt free space
Maximum number of inverters         6           PC COMMUNICATION           Wireless         Bluetooth           Wired communication         Usb 2.0           DISPLAY         Dimensions (inches)           Resolution (pixels)         QVGA (320 x 240)           Integrated touch screen         YES, resistive           POWER SUPPLY         5V/1A           Usb         Yes           Stand alone         Rechargeable Li-lon battery           STANDARD EQUIPMENT         YES           Stylus pen         YES           AC Adapter         YES           Usb cable         YES (1mt)           SD Card         YES (1gb)           FEATURES         All inverter parameters, data and alarms           Data acquisition and display - Inverter         All inverter parameters, data and alarms           Data collection and storage         Internal (SD Card) / Extrenal via AURORA Communicator software           Software Upgrade         Free download from www.power-one.com	Wired communication	RS485 port (half duplex 19200bps, 1km)
PC COMMUNICATION Wireless Bluetooth Wireless Bluetooth Wireless Bluetooth Wireless Bluetooth Wireless Bluetooth Wireless Bluetooth  Usb 2.0  DISPLAY  DIMENSIONS [inches] Color 3.5"  Resolution (pixels) OVGA (320 x 240) Integrated touch screen POWER SUPPLY  DC 5V/1A Usb Yes Stand alone Rechargeable Li-lon battery  STANDARD EQUIPMENT  Stylus pen YES AC Adapter YES Usb cable YES (1mt) SD Card YES (1mt) SD Card YES (1gb)  FEATURES Data acquisition and display - Inverter All inverter parameters, data and alarms Data collection and storage Internal (SD Card) / Extrenal via AURORA Communicator software Free download from www.power-one.com	Inverter compatibility	All AURORA string series (with optional radio transmitter)
Wireless         Bluetooth           Wired communication         Usb 2.0           DISPLAY         Usb 2.0           Dimensions (inches)         color 3.5'           Resolution (pixels)         QVGA (320 x 240)           Integrated touch screen         YES, resistive           POWER SUPPLY         VES           DC         5V/1A           Usb         Yes           Stand alone         Rechargeable Li-lon battery           STANDARD EQUIPMENT         YES           Stylus pen         YES           AC Adapter         YES           Usb cable         YES (1mt)           SD Card         YES (1mt)           SD Card         YES (1Gb)           FFATURES         All inverter parameters, data and alarms           Data acquisition and display - Inverter         All inverter parameters, data and alarms           Data collection and storage         Internal (SD Card) / Extrenal via AURORA Communicator software           Software Upgrade         Free download from www.power-one.com	Maximum number of inverters	6
Wired communication         Usb 2.0           DISPLAY         Color 3.5'           Resolution (pixels)         OVGA (320 x 240)           Integrated touch screen         YES, resistive           POWER SUPPLY         SV/1A           Usb         Yes           Stand alone         Rechargeable Li-lon battery           STANDARD EQUIPMENT         YES           AC Adapter         YES           Usb cable         YES (1mt)           SD Card         YES (1Gb)           FFATURES         All inverter parameters, data and alarms           Data acquisition and display - Inverter         All inverter parameters, data and alarms           Data collection and storage         Internal (SD Card) / Extrenal via AURORA Communicator software           Software Upgrade         Free download from www.power-one.com	PC COMMUNICATION	
DISPLAY   Dimensions [Inches]   Color 3.5°     Resolution (pixels)   QVGA (320 x 240)     Integrated touch screen   YES, resistive     POWER SUPPLY     DC	Wireless	Bluetooth
Dimensions [inches] color 3.5' Resolution (pixels) QVGA (320 x 240) Integrated touch screen YES, resistive  POWER SUPPLY  DC 5V/1A  Usb Yes Stand alone Rechargeable Li-lon battery  STANDARD EQUIPMENT  Stylus pen YES  AC Adapter YES  Usb cable YES (1mt)  SD Card YES (1mt)  SD Card YES (1Gb)  FEATURES  Data acquisition and display - Inverter All inverter parameters, data and alarms  Data collection and storage Internal (SD Card) / Extrenal via AURORA Communicator software  Software Upgrade  Free download from www.power-one.com	Wired communication	Usb 2.0
Resolution (pixels) Integrated touch screen POWER SUPPLY DC 5V/1A Usb Yes Stand alone Rechargeable Li-lon battery  STANDARD EQUIPMENT Stylus pen AC Adapter Usb YES Usb Card YES Usb Card YES (1mt) SD Card YES (1mt) SD Card YES (1gb) FEATURES Data acquisition and display - Inverter Data collection and storage Software Upgrade  All inverter parameters, data and alarms Internal (SD Card) / Extrenal via AURORA Communicator software Free download from www.power-one.com	DISPLAY	
Integrated touch screen  POWER SUPPLY  DC  5V/1A  Usb  Yes  Stand alone  Rechargeable Li-lon battery  STANDARD EQUIPMENT  Stylus pen  AC Adapter  YES  Usb cable  YES  Usb cable  YES (1mt)  SD Card  YES (1gb)  FEATURES  Data acquisition and display - Inverter  Data collection and storage  Internal (SD Card) / Extrenal via AURORA Communicator software  Software Upgrade  Free download from www.power-one.com		color 3.5"
POWER SUPPLY  DC 5V/1A  Usb Yes  Stand alone Rechargeable Li-lon battery  STANDARD EQUIPMENT  Stylus pen YES  AC Adapter YES  Usb cable YES (1mt)  SD Card YES (1mt)  SD Card YES (1Gb)  FEATURES  Data acquisition and display - Inverter All inverter parameters, data and alarms  Data collection and storage Internal (SD Card) / Extrenal via AURORA Communicator software  Software Upgrade  Free download from www.power-one.com	Resolution (pixels)	QVGA (320 x 240)
DC Usb Yes Stand alone Rechargeable Li-lon battery  STANDARD EQUIPMENT  Stylus pen YES AC Adapter YES Usb cable YES (1mt) SD Card YES (1gb)  FEATURES  Data acquisition and display - Inverter All inverter parameters, data and alarms Data collection and storage Internal (SD Card) / Extrenal via AURORA Communicator software  Software Upgrade  Free download from www.power-one.com	Integrated touch screen	YES, resistive
Usb     Yes       Stand alone     Rechargeable Li-lon battery       STANDARD EQUIPMENT       Stylus pen     YES       AC Adapter     YES       Usb cable     YES (1mt)       SD Card     YES (1Gb)       FEATURES       Data acquisition and display - Inverter     All inverter parameters, data and alarms       Data collection and storage     Internal (SD Card) / Extrenal via AURORA Communicator software       Software Upgrade     Free download from www.power-one.com	POWER SUPPLY	
Stand alone Rechargeable Li-lon battery  STANDARD EQUIPMENT  Stylus pen YES  AC Adapter YES  Usb cable YES (1mt)  SD Card YES (1Gb)  FEATURES  Data acquisition and display - Inverter All inverter parameters, data and alarms  Data collection and storage Internal (SD Card) / Extrenal via AURORA Communicator software  Software Upgrade Free download from www.power-one.com	-	
STANDARD EQUIPMENT  Stylus pen YES  AC Adapter YES  Usb cable YES (1mt)  SD Card YES (1Gb)  FEATURES  Data acquisition and display - Inverter All inverter parameters, data and alarms  Data collection and storage Internal (SD Card) / Extrenal via AURORA Communicator software  Software Upgrade Free download from www.power-one.com		
Stylus pen YES AC Adapter YES Usb cable YES (1mt) SD Card YES (1Gb) FEATURES Data acquisition and display - Inverter All inverter parameters, data and alarms Data collection and storage Internal (SD Card) / Extrenal via AURORA Communicator software Software Upgrade Free download from www.power-one.com	Stand alone	Rechargeable Li-Ion battery
AC Adapter Usb cable YES Usb cable YES (1mt) SD Card YES (1Gb) FEATURES Data acquisition and display - Inverter All inverter parameters, data and alarms Data collection and storage Internal (SD Card) / Extrenal via AURORA Communicator software Software Upgrade Free download from www.power-one.com		
Usb cable YES (1mt)  SD Card YES (1Gb)  FEATURES  Data acquisition and display - Inverter All inverter parameters, data and alarms  Data collection and storage Internal (SD Card) / Extrenal via AURORA Communicator software  Software Upgrade Free download from www.power-one.com	Stylus pen	·
SD Card YES (1Gb)  FEATURES  Data acquisition and display - Inverter All inverter parameters, data and alarms  Data collection and storage Internal (SD Card) / Extrenal via AURORA Communicator software  Software Upgrade Free download from www.power-one.com	AC Adapter	
FEATURES  Data acquisition and display - Inverter  All inverter parameters, data and alarms  Data collection and storage  Internal (SD Card) / Extrenal via AURORA Communicator software  Software Upgrade  Free download from www.power-one.com		
Data acquisition and display - Inverter     All inverter parameters, data and alarms       Data collection and storage     Internal (SD Card) / Extrenal via AURORA Communicator software       Software Upgrade     Free download from www.power-one.com		YES (1Gb)
Data collection and storage         Internal (SD Card) / Extrenal via AURORA Communicator software           Software Upgrade         Free download from www.power-one.com	FEATURES	
Software Upgrade Free download from www.power-one.com		All inverter parameters, data and alarms
	Software Upgrade	
	Languages	IT / EN / ES / DE / FR
Personalized graphical skin Free download from www.power-one.com		Free download from www.power-one.com
ENVIRONMENTAL PARAMETERS ENVIRONMENTAL PARAMETERS		
Ambient Temp. Range [°C] 0°C +40°C		
Environmental IP Rating IP20		
Relative Humidity 0-90% non condensing		0-90% non condensing
MECHANICAL CONTRACTOR		
<u>Dimensions [H x W x D]</u> 90 x 125 x 35		
Weight [kg] 0,4	Weight [kg]	0,4

## **Operating Configurations**



















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