

ISOLATED RS485/RS232-to-USB SIGNAL CONVERTER

The **PVI-USB-RS485_232** signal converter is the entry-level tool for **Power One Aurora** inverters monitoring. The **PVI-USB-RS485_232** is based on *FTDI FT232RL* microcontroller, USB2.0 standard compatible. The variety of available drivers* makes the converter suitable to be used with the most common OS.



The communication port to the inverter is isolated respect to the USB (isolation voltage: 2500Vdc), it's compatible with **Power One Aurora** communication protocol and can be set as RS232 or RS485.

The **PVI-USB-RS485_232** is self-powered through USB port which is connected.

The **PVI-USB-RS485_232** is suitable for the communication with string or central inverters to get communication and monitoring with the following softwares:

- Aurora Communicator (rel. 2.8.x or later) – *String or central inverters monitoring;*
- Aurora Installer (rel. 3.1.4 or later) – *String inverters configuration and monitoring;*
- Aurora CVI Central (rel. U.0055 or later) – *Central inverters configuration and monitoring;*
- Aurora Stringcomb Installer (rel. U.0045 or later) – *String combiner boxes configuration and monitoring.*

(*) More information here: <http://www.ftdichip.com/Drivers/VCP.htm>.

Technical Features

- **USB Section**
 - USB2.0 Standard Compatible
 - PC connection with standard USB B-type / A-type cable (included)
- **RS485/232 Section**
 - Isolated R485/232 communication port (isolation voltage: 2500Vdc)
 - RS232 serial communication or RS485 Half-Duplex serial communication – Power-One Aurora protocol compatible
 - Internal biasing of communication bus
 - Status LED for TX/RS
 - RS232/RS485 connection with removable screw terminal block (included)
- **Power Supply**
 - Self-powered from USB port
 - Maximum consumption: 150mA @ 5Vdc
 - Status LED for POWER ON
- **Mechanical/Ambient Characteristics**
 - Dimensions: 66x66x28 mm (70x66x28mm with RS485 terminal block)
 - IP protection degree: IP20 (indoor use only)
 - Temperature range: 0...50°C

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