

ABB monitoring and communications PVI-USB-RS232_485 Converter



A needful device enabling customer to connect a PC to all ABB inverters via RS485 port

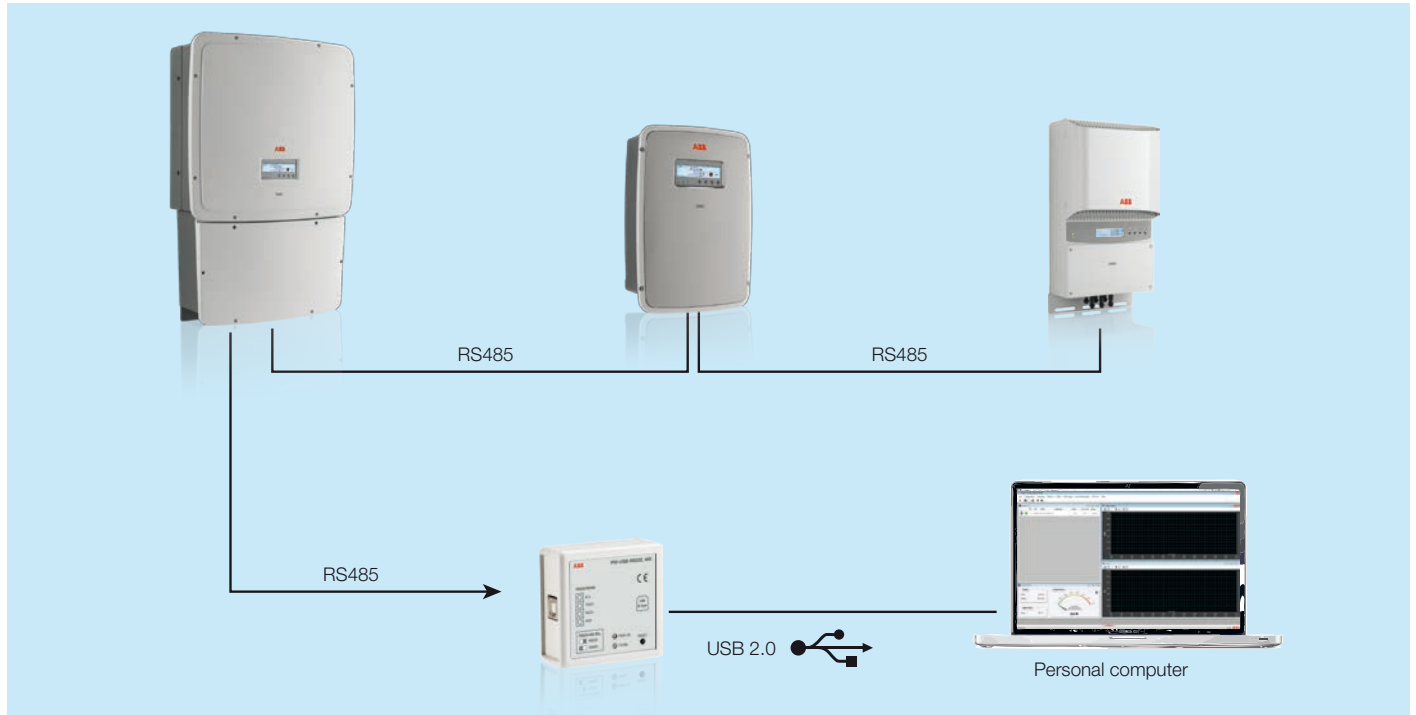
- Allows serial interfacing between photovoltaic or wind inverters and computer via RS485 link

- Operating systems supported: Win XP, Win 7, and Linux based
- Works with centralized and string inverters
- No power supply needed (auto-supplied via USB port)

Compatible ABB softwares:

- Aurora Communicator – Monitoring of string and centralized inverters
- Aurora CVI Central - Managing and Monitoring of centralized inverters
- Aurora Stringcomb Installer – Managing and Monitoring of String combiner
- Aurora Manager – Configuration and Monitoring Software

Block diagram of PVI-USB-RS232_485 Converter



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Technical data and types

| Type code | PVI-USB-RS232_485 |
|--|---|
| USB side | |
| Standard | 2.0 |
| Connection | B-Type |
| RS485/232 side | |
| RS485/232 function | selectable via switch |
| RS485 | Half-Duplex |
| Status led (Tx/Rx) | Yes |
| O. S. | Windows 7, Windows XP, Linux Based ⁽¹⁾ |
| Supply | |
| Auto-supply | Yes, via USB port |
| Maximum current | 150 mA |
| Status led (Power On) | Yes |
| Environmental | |
| Ambient temperature range | -25...+ 50°C/-13...122°F |
| Physical | |
| Environmental protection rating | IP 20 (Indoor use only) |
| Dimension (H x W x D) | 66mm x 66mm x 28mm |
| Compliance | |
| Isolation | 2500 V _{DC} |
| Marking | CE |
| Safety and EMC standard | EN55022; EN55024 |
| Accessories | |
| B-type/A-type USB cable | Included |
| 485 side mating part plug screw terminal block | Included |

1. For a complete list please refer to : <http://www.ftdichip.com/Drivers/VCP.htm>

Remark. Features not specifically listed in the present data sheet are not included in the product

Support and service

ABB supports its customers with dedicated, global service organization in more than 60 countries and strong regional and national technical partner networks providing complete range of life cycle services.

For more information please contact your local ABB representative or visit:

www.abb.com/solarinverters

www.abb.com

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