Solar inverters

ABB monitoring and communications
PVI-USB-RS232_485 Converter

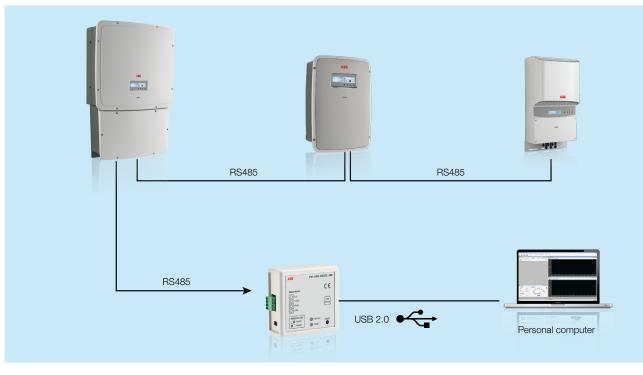**A needful device enabling customer to connect a PC to all ABB inverters via RS485 port**
– Allows serial interfacing between photovoltaic or wind inverters and computer via RS485 link

– 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

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Block diagram of PVI-USB-RS232_485 Converter

RS485   RS485

RS485

USB 2.0

Personal computer

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)	66 mm x 66 mm x 28 mm
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:

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