

ABB (Power One - UNO, TRIO, PVI, PLUS, ULTRA) blue'Log Driver



DESCRIPTION OF FUNCTIONS

Driver: blue'Log driver for supporting ABB (formerly Power One) inverters of the series UNO, TRIO, PVI, PLUS and ULTRA.

COMMUNICATION

Max. number of inverters:	blue'Log X-1000	blue'Log X-3000	blue'Log X-6000
	50 *	100 **	100 **
Max. number of central inverters:	12 slots (55 kW) 12 slots (67 kW) 12 slots (350 kW each), additionally 4 ACG (AC gatehering) modules		
Communication interface:	RS485		
Bus speed:	19200 bps		
Protocol (transmission):	8N1		

*Maximum of 31 inverters can be managed per bus interface. Connection of MX module RS485/422 is possible as an option. (Please consider the software features of your blue'Log base module. Please take a look in the data sheet of blue'Log.)

**MX module RS485/422 is necessary because up to 31 inverters can be managed per bus interface. (Please consider the software features of your blue'Log base module. Please take a look in the data sheet of blue'Log.)

POWER CONTROL

Active power control: Yes
 Reactive power control: Yes***

Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

***Please consider the software features of your blue'Log base module. Please take a look in the data sheet of blue'Log.

MEASUREMENT VALUES RECORDED

COS_PHI	cos ϕ
E_DAY	Daily energy
F_AC	Grid frequency
I_AC	AC current
I_DC (string A, B, C...)	DC current (string A, B)
P_AC	AC active power
P_LIMIT	Power limitation
R_ISO	Insulation resistance
STATE	Operating status
T_WR	Inverter temperature
U_AC	AC voltage
U_DC (string A, B, C...)	DC voltage (string A, B)

The actually recorded values may vary due to the inverter model or the inverter firmware.

SUPPORTED INVERTERS

PVI Series:	PVI-3.0-OUTD	PVI-3.0-TL-OUTD-S	PVI-3.3-OUTD
	PVI-3.6-OUTD	PVI-3.8-OUTD-I	PVI-4.2-OUTD
	PVI-4.6-OUTD-I	PVI-6.0-OUTDUni.	PVI-8.0-OUTDUni.
	PVI-8.0-OUTDUni.PLUS	PVI-10.0-OUTD	PVI-10.0-OUTD-I
	PVI-10.0-OUTD-I	PVI-10.0-OUTD-I	PVI-10.0-OUTD-I
	PVI-10.0-OUTD-I	PVI-10.0-OUTDUni.	PVI-12.0-OUTD-I
	PVI-12.0-OUTD-I	PVI-12.0-OUTD-I	PVI-12.0-OUTD-I
	PVI-12.5-OUTD	PVI-12.5-OUTDUni.	PVI-1700-IND
	PVI-1700-OUTD	PVI-2000-IND	PVI-2000-OUTD
	PVI-3600-IND	PVI-3600-OUTD	PVI-5000-OUTD
	PVI-6000-OUTD		
TRIO Series:	TRIO-TM-50.0-400	TRIO-TM-60.0-480	TRIO-5.8-OUTD
	TRIO-8.5-OUTD	TRIO-20.0-OUTD (400VAC)	TRIO-20.0-OUTD (480VAC)
	TRIO-25.0-OUTD	TRIO-27.6-OUTD (400VAC)	TRIO-27.6-OUTD (480VAC)
	TRIO-50.0-OUTD		
UNO Series:	UNO-2.0-I-OUTD	UNO-2.5-I-OUTD	UNO-2.0-TL-OUTD
	UNO-3.0-TL-OUTD	UNO-3.6-TL-OUTD	UNO-4.2-TL-OUTD
PLUS Series:	PVI-Central-50	PVI-Central-100	PVI-Central-US-250/300
	PVI-55.0	PVI-110.0	PVI-165.0
	PVI-220.0	PVI-275.0	PVI-330.0
	PVI-134.0-TL	PVI-200.0-TL	PVI-267.0-TL
	PVI-334.0-TL	PVI-400.0-TL	
ULTRA Series:	700	1050	1400

Please contact Sales for details of compatibility with inverters not listed.
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