

REFU*sol*

(Advanced Energy)

blue'Log Driver



DESCRIPTION OF FUNCTIONS

Driver: blue'Log driver for supporting REFU*sol* (Advanced Energy) inverters.

COMMUNICATION

Max. number of inverters:	blue'Log X-1000	blue'Log X-3000	blue'Log X-6000
	50 *	100 **	100 **
Communication interface:	RS485, Ethernet		
Bus speed:	57600 bps		
Protocol (transmission):	8N1		

*Maximum of 31 inverters can be managed per RS485/Ethernet 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

E_DAY	Daily energy
E_TOTAL	Total energy
ERROR	Error status
F_AC (phase 1, 2, 3)	Grid frequency (phase 1, 2, 3)
G_WR	Irradiation invert sensor
I_AC	AC current
I_AC (phase 1, 2, 3)	AC current (phase 1, 2, 3)
I_DC	DC current
P_AC	AC active power
P_DC	DC power
STATE	Operating status
T_WR (1, 2, 3...)	Inverter temperature (1, 2, 3, 4, 5)
U_AC	AC voltage
U_AC_L1L2	Phase to phase voltage L1-L2
U_AC_L2L3	Phase to phase voltage L2-L3
U_AC_L3L1	Phase to phase voltage L3-L1
U_DC	DC voltage

SUPPORTED INVERTERS

String inverter:	REFUsol003kW	REFUsol004kW	REFUsol005kW
	REFUsol006K	REFUsol010K	REFUsol 10K
	REFUsol 10K BEL	REFUsol 10K w/ Peformer BEL	REFUsol013K
	REFUsol016K	REFUsol017K	REFUsol 08K
	REFUsol 08K-IEC	REFUsol 10K-IEC	REFUsol 13K
	REFUsol 13K-IEC	REFUsol 17K	REFUsol 17K-IEC
	REFUsol 20K	REFUsol 20K-IEC	REFUsol 22-JP
	REFUsol 23K-MV	REFUsol 23K-IEC	REFUsol 24-UL
	REFUsol 24-UL (AFCI)	REFUsol 40K	REFUsol 40K-IEC
	REFUsol 46K-MV	REFUsol 46K-IEC	REFUsol 48K-UL
	REFUsol 48K-UL (AFCI)	REFU020K	REFU 11k
	REFU 12k	REFU 15k	REFU 20k
	AE 1TL 1.8-IEC	AE 1TL 2.3-IEC	AE 1TL 3.0-IEC
	AE 1TL 3.6-IEC	AE 1TL 4.2-IEC	AE 3TL 8-IEC
	AE 3TL 10-IEC	AE 3TL 13-IEC	AE 3TL 17-IEC
	AE 3TL 20-IEC	AE 3TL 23-IEC	AE 3TL 40-IEC
	AE 3TL 46-IEC	AE 3TL 12-UL	AE 3TL 16-UL
	AE 3TL 20-UL	AE 3TL 23-UL	AE 3TL 12-UL
	AE 3TL 16-UL	AE 3TL 20-UL	AE 3TL 23-UL
	AE 3TL 20-JP	AE 3TL 24-JP	
Central inverter:	REFUsol100kW	REFUsol 100KW 430VDC ES	REFUsol 100KW DE
	REFUsol 100KW ES	REFUsol 100KW IT	REFUsol333kW
	REFUsol500kW	REFUsol630kW	

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