

# SMA

## blue'Log Driver



### DESCRIPTION OF FUNCTIONS

Driver: blue'Log driver for supporting SMA string inverters.

### COMMUNICATION

Max. number of inverters:	blue'Log X-1000	blue'Log X-3000	blue'Log X-6000
	50 *	100 **	100 **
Communication interface:	RS485 (communicationen interface RS485 is required from SMA)		
Bus speed:	1200 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.

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### *MEASUREMENT VALUES RECORDED*

E_TOTAL	Total energy
ERROR	Error status
F_AC	Grid frequency
I_AC	AC current
I_AC (phase 1, 2, 3)	AC current (phase 1, 2, 3)
I_DC	DC current
I_DC (string A, B, C...)	DC current (string A, B, C)
OT_AC_TOTAL	Operating hours
P_AC	AC active power
P_AC (phase 1, 2, 3)	AC active power (phase 1, 2, 3)
R_ISO	Insulation resistance
STATE	Operating status
T_WR	Inverter temperature
U_AC	AC voltage
U_AC (phase 1, 2, 3)	AC voltage (phase 1, 2, 3)
U_DC	DC voltage
U_DC (string A, B, C...)	DC voltage (string A, B, C)
Z_AC	Grid impedance

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

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### SUPPORTED INVERTERS

SUNNY BOY:	SB 700-US	SB 1200	SB 1500TL
	SB 1700	SB 2000HF	SB 2000HF-US
	SB 2100TL	SB 2500	SB 2500HF
	SB 2500HF-US	SB 3000	SB 3000HF
	SB 3000TL	SB 3000TL RPC	SB 3000-US
	SB 3300	SB 3800	SB 3800-US
	SB 4000TL	SB 4000TL RPC	SB 4000-US
	SB 5000TL	SB 5000TL PRC	SB 5000-US
	SB 6000-US	SB 7000-US	SB 8000TL-US
	SB 8000-US	SB 9000TL-US	SB 10000TL-US
	SB 11000TL-US	SB 3000TLST-21	
SUNNY MINI CENTRAL:	SMC 4600A	SMC 5000A	SMC 6000A
	SMC 6000TL	SMC 7000HV	SMC 7000TL
	SMC 8000TL	SMC 9000TL	SMC 9000TL RPC
	SMC 10000TL	SMC 10000TL RPC	SMC 11000TL
	SMC 11000TL RPC		
SUNNY TRIPOWER:	STP 5000TL-20	STP 6000TL-20	STP 7000TL-20
	STP 8000TL	STP 8000TL-20	STP 9000TL-20
	STP 10000TL	STP 10000TLEE-JP-10	STP 10000TLEE-JP-11
	STP 12000TL	STP 12000TL-20	STP 12000TL-US
	STP 15000TL	STP 15000TL-10 Econ. Exc.	STP 15000TL-US
	STP 17000TL	STP 20000TL-10 Econ. Exc.	STP 20000TL-30
	STP 20000TLEE-JP	STP 20000TL-US	STP 24000TL-US
	STP 25000TL-30		

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