

SUNGROW

blue'Log Driver



DESCRIPTION OF FUNCTIONS

Driver: blue'Log driver for supporting Sungrow inverters.

COMMUNICATION

Max. number of inverters:	blue'Log X-1000	blue'Log X-3000	blue'Log X-6000
	50 *	100 **	100 **
Communication interface:	Ethernet (Modbus TCP), RS485 (Modbus RTU)		
Bus speed:	9600 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

E_DAY	Daily energy
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 (string A, B, C...)	DC current (string A, B, C)
I_DC[1..x][1..x]	Current DC [1...x] String [1...x]
OT_AC_TOTAL	Operating hours
P_AC	AC active power
STATE	Operating status
T_WR	Inverter temperature
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)

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

SUPPORTED INVERTERS

String inverters:	SG1K5TL	SG2K5TL	SG2K5TL-S
	SG2KTL	SG2KTL-S	SG3K5TL-S
	SG3K6TL-D	SG3K6TL-S	SG3KTL-D
	SG3KTL-EC	SG3KTL-EC-V21	SG3KTL-M
	SG3KTL-S	SG3K-B	SG3KTL
	SG4K4J	SG4K6TL-D	SG4KTL-EC
	SG4KTL-EC-V21	SG4KTL-M	SG4KTL-S
	SG4KTL	SG5KTL-D	SG5KTL-EC
	SG5KTL-M	SG5KTL	SG5K-B
	SG5K-C	SG6KTL-EC	SG6K-B
	SG6K-C	SG6KTL	SG8KTL
	SG8KTL-EC	SG8KTL-M	SG10KTL
	SG10K3	SG10KTL-EC	SG10KTL-M
	SG12KTL	SG12KTL-EC	SG12KTL-M
	SG15KTL	SG15KTL-EC	SG16K6J
	SG20KTL	SG20KU	SG24MX
	SG30K3	SG30KJ	SG30KTL
	SG30KTL-V31	SG30KU	SG33KTL-M
	SG34KJ	LP-P34KSG	SG36KTL
	SG36KTL-M	SG36KU	SG40KTL
	SG40KTL-M	SG40KTL-V21	SG49K5J
	SG50K3	SG50KTL	SG50KTL-M
	SG55KTL	SG56KTL	SG56KU
	SG60KTL	SG60KTL-M	SG60KU
	SG60KU-M	SG80KTL	SG80KTL-M
	SG80HV	SG125HV	
Central inverters:	SG100J	SG100J-V21	SG100K3
	SG100K3-I	SG100KC	SG100KC-outdoor
	SG100KLV	SG100KU	SG100KU-outdoor
	SG125K	SG250K3	SG250KC
	SG250KLV	SG250KTL	SG250KU
	SG500J-V11	SG500K3	SG500KTL
	SG500LV	SG500MX-M	SG500MX
	SG630MX	SG630MX-M	SG630KTL
	SG750MX	SG800MX	SG1000KTL
	SG1000MX	SG1000TL	

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

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