

# Sunways (SPT) blue'Log Driver

**sunways**  
Photovoltaic Technology

## DESCRIPTION OF FUNCTIONS

Driver: blue'Log driver for supporting Sunways SPT inverters.

## COMMUNICATION

Max. number of string inverters:	blue'Log X-1000	blue'Log X-3000	blue'Log X-6000
	50 *	100 **	100 **
Communication interface:	RS485		
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 (phase 1, 2, 3)	AC current (phase 1, 2, 3)
I_DC (string A, B, C...)	DC current (string A, B, C)
P_AC	AC active power
P_DC	DC power
Q_AC	Reactive power
STATE	Operating status
T_WR	Inverter temperature
U_AC (phase 1, 2, 3)	AC voltage (phase 1, 2, 3)
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 (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

SPT series:    SPT 18.7    SPT 22.0    SPT 27.5

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