

# Huawei blue'Log Driver



## DESCRIPTION OF FUNCTIONS

Driver: blue'Log driver for supporting Huawei inverters and Smart Logger 1000.

## COMMUNICATION

	blue'Log X-1000	blue'Log X-3000	blue'Log X-6000
Max. number of inverters:	50 <sup>1)</sup>	100 <sup>2)</sup>	100 <sup>2)</sup>
Max. number of Smart Logger:	1 (per blue'Log)		
Communication interface:	RS485, TCP (Smart Logger 1000)		
Bus speed:	9600 bps		
Protocol (transmission):	8N1		

<sup>1)</sup> 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.)

<sup>2)</sup> 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 (also via Smart Logger 1000)
Reactive power control:	Yes (also via Smart Logger 1000) <sup>3)</sup>

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

<sup>3)</sup> Please consider the software features of your blue'Log base module. Please take a look in the data sheet of blue'Log.

<sup>3)</sup> Q-methods do not get supported by Huawei inverters with the firmware V100R001.

### *SUPPORTED INVERTER EQUIPMENT*

Communication Gateway                      Smart Logger 1000 <sup>4)</sup>

<sup>4)</sup> Only the Smart Logger must be configured (not the inverters). Please use the following settings:

- Protocol: Modbus TCP
- Interface: Ethernet
- IP Address: IP address of the Smart Logger
- Scan start: Inverter will be added automatically

### *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)
I_DC[1..x]_[1..x]	Current DC [1..x] String [1..x]
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*

V100R001 (Inverter firmware):	SUN2000-8KTL	SUN2000-10KTL	SUN2000-12KTL
	SUN2000-15KTL	SUN2000-17KTL	SUN2000-20KTL
	SUN2000-23KTL	SUN2000-25KTL	SUN2000-28KTL
V200R001 (Inverter firmware):	SUN2000-30KTL-A	SUN2000-33KTL	SUN2000-33KTL-E001
	SUN2000-40KTL		
V200R002 (Inverter firmware):	SUN2000-24.7KTL-JP	SUN2000-33KTL-JP	SUN2000-33KTL-US
	SUN2000-33KTL-A	SUN2000-36KTL-US	SUN2000-36KTL
	SUN2000-40KTL-US	SUN2000-40KTL-JP	SUN2000-42KTL
	SUN2000-43KTL-IN-C1	SUN2000-50KTL	SUN2000-50KTL-C1

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

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