

# KSTAR blue'Log Driver

## KSTAR

### DESCRIPTION OF FUNCTIONS

Driver: blue'Log driver for supporting KSTAR 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:	2400 bps, 4800 bps, 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.

### SUPPORTED INVERTER EQUIPMENT

String measurement systems: GSC PV junction box

### MEASUREMENT VALUES RECORDED

COS_PHI (phase 1, 2, 3)	cosφ (phase 1, 2, 3)
E_DAY	Daily energy
E_TOTAL	Total energy
ERROR (1, 2, 3...)	Error status (1, 2, 3)
I_AC (phase 1, 2, 3)	AC current (phase 1, 2, 3)
I_DC	DC current
P_AC (phase 1, 2, 3)	AC active power (Phase 1, 2, 3)
Q_AC (phase 1, 2, 3)	Reactive power (phase 1, 2, 3)
R_ISO	Insulation resistance
STATE	Operating status
T_WR	Inverter temperature
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

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

### SUPPORTED INVERTERS

Omega GSL series:	GSL0050	GSL0100	GSL0250
	GSL0500	GSL0630	GSL0500-DDU-MX
	GSL0630-DDU-MX	GSL0500T-DDU-MX	GSL0630T-DDU-MX
	GSL1000-DDU-MX	GSL1260-DDU-MX	

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

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