

# Ingeteam Ingecon Sun blue'Log Driver

**Ingeteam**

## DESCRIPTION OF FUNCTIONS

Driver: blue'Log driver for supporting Ingeteam Ingecon Sun inverters.

## COMMUNICATION

Max. number of inverters:	blue'Log X-1000	blue'Log X-3000	blue'Log X-6000
	50 <sup>1)</sup>	100 <sup>2)</sup>	100 <sup>2)</sup>

Communication interface: Ethernet (Modbus TCP), RS485 (Modbus RTU)

<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 <sup>3)</sup>  
 Reactive power control: Yes <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> If Power Control should be required please contact the meteocontrol Support.

## SUPPORTED INVERTER EQUIPMENT

String measurement systems: INGECON SUN String Box

*MEASUREMENT VALUES RECORDED*

COS_PHI	cosφ
E_DAY	Daily energy
E_TOTAL	Total energy
ERROR (1, 2, 3...)	Error status (1, 2, 3, 4)
F_AC	Grid frequency
I_AC1	AC current 1
I_AC2	AC current 2
I_AC3	AC current 3
I_DC	DC current
I_DC[1..x][1..x]	Current DC [1...x] String [1...x]
OT_AC_TOTAL	Total operating hours
P_AC	AC active power
P_DC	DC power
Q_AC	Reactive power
S_AC	Apparent power
STATE	Operating status
T (1, 2, 3...)	Temperature
U_AC1	AC voltage 1
U_AC2	AC voltage 2
U_AC3	AC voltage 3
U_DC	DC voltage

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

### SUPPORTED INVERTERS

IS 3Play Series:	INGECON SUN 3Play TL 100kW		
IS 3Play (TL Series):	10TL	20TL	33TL
IS 3Play (TL M Series):	10TL M 33TL M	15TL M 40TL M480	20TL M
IS 3Play (TL U M Series):	40TL U M480		
IS POWERMAX B SERIES	830TL B300 1110TL B400 1190TL B430 1275TL B460 1500TL B578 1640TL B630 1740TL B670	1000TL B360 1140TL B410 1220TL B440 1170TL B450 1560TL B600 1665TL B640 1800TL B690	1070TL B385 1165TL B420 1250TL B450 1400TL B540 1600TL B615 1690TL B650
IS POWERMAX U B SERIES	610TL U B220 1110TL U B400 1190TL U B430 1275TL U B460 1400TL U B540 1600TL U B615 1690TL U B650 1800TL U B690	830TL U B300 1140TL U B410 1220TL U B440 1170TL U B450 1500TL U B578 1640TL U B630 1715TL U B660	1000TL U B360 1165TL U B420 1250TL U B450 1245TL U B480 1560TL U B600 1665TL U B640 1740TL U B670

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