

KACO

blue'Log Driver



DESCRIPTION OF FUNCTIONS

Driver: blue'Log driver for supporting Kaco inverters.

COMMUNICATION

Max. number of 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. Exception: For the series 20000xi, 25000xi, 30000xi and 33000xi only 12 inverters can be queried by each blue'Log communication 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. Exception: For the series 20000xi, 25000xi, 30000xi and 33000xi only 12 inverters can be queried by each blue'Log communication 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

COS_PHI	cos ϕ
COS_PHI_LOAD	Type of cos ϕ excitation
E_DAY	Daily energy
E_DAY (1, 2, 3...)	Daily energy (1, 2, 3)
E_TOTAL	Total energy
I_AC	AC current
I_AC (phase 1, 2, 3)	AC current (phase 1, 2, 3)
I_DC	DC current
I_DC (string A, B, C...)	DC current (string A, B, C)
P_AC	AC active power
P_AC (phase 1, 2, 3)	AC active power (Phase 1, 2, 3)
P_DC	DC power
P_DC (string A, B, C...)	DC power (string A, B, C)
P_DC_TOT	DC total power
STATE	Operating status
STATE (1, 2, 3...)	Operating status (1, 2, 3)
T_WR	Inverter temperature
T_WR (1, 2, 3...)	Inverter temperature (1, 2, 3)
U_AC	AC voltage
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

Powador series:

Powador 1501xi	Powador 2002	Powador 2500xi
Powador 2501xi	Powador 3000SE	Powador 3000xi
Powador 3002	Powador 3200	Powador 3500xi
Powador 3501xi	Powador 3600xi	Powador 4000xi
Powador 4000supreme	Powador 4200	Powador 4202
Powador 4400	Powador 4500xi	Powador 4501xi
Powador 5000xi	Powador 5001xi	Powador 5002
Powador 5300	Powador 5300 supreme	Powador 5500
Powador 6002	Powador 6400 supreme	Powador 6400xi
Powador 6400xi Thinfilm	Powador 6400xi Thinfilm HV	Powador 6600
Powador 6650 supreme	Powador 6650xi	Powador 6650xi Thinfilm
Powador 6650xi Thinfilm HV	Powador 7200 supreme	Powador 7200xi
Powador 7200xi Thinfilm HV	Powador 7700	Powador7700 supreme
Powador 7900	Powador 7900 supreme	Powador 8000 supreme
Powador 8000xi	Powador 8000xi Thinfilm	Powador 8000xi Thinfilm HV
Powador 8600	Powador 8600 supreme	Powador 9600
Powador 9600 supreme	Powador 20000xi/1	Powador 20000xi/2
Powador 20000xi/3	Powador 20000xi	Powador 25000xi/1
Powador 25000xi/2	Powador 25000xi/3	Powador 25000xi
Powador 30000xi/1	Powador 30000xi/2	Powador 30000xi/3
Powador 30000xi	Powador 33000xi/1	Powador 33000xi/2
Powador 33000xi/3	Powador 33000xi	Powador6.0 TL3
Powador 7.8 TL3	Powador 9.0 TL3	Powador 10.0 TL3
Powador 12.0 TL3	Powador 14.0 TL3	Powador 14.0 TR3
Powador 16.0 TR3	Powador 18.0 TL3	Powador 18.0 TR3
Powador 20.0 TL3	Powador 30.0 TL3	Powador 30.0 TL3Y/1
Powador 30.0 TL3Y/2	Powador 30.0 TL3Y/3	Powador 30.0 TL3Y
Powador 33.0 TL3	Powador 36.0 TL3	Powador 36.0 TL3 M1
Powador 37.5 TL3	Powador 37.5 TL3Y/1	Powador 37.5 TL3Y/2
Powador 37.5 TL3Y/3	Powador 37.5 TL3Y	Powador 39.0 TL3
Powador 39.0 TL3 M1	Powador 39.0 TL3Y/1	Powador 39.0 TL3Y/2
Powador 39.0 TL3Y/3	Powador 39.0 TL3Y	Powador 40.0 TL3
Powador 48.0 TL3	Powador 52.0 TL3	Powador 60.0 TL3
Powador 72.0 TL3	Powador 78.0 TL3	Powador XP100 (100k)
Powador XP100 (XP100)	Powador XP100-HV	Powador XP200-HV
Powador XP200-HV TL	Powador XP250-HV	Powador XP250-HV TL
Powador XP350-HV TL	Powador XP500-HV-TL	Powador XP550-HV-TL

blueplanet series:

blueplanet PVI 1501i	blueplanet PVI 2500i	blueplanet PVI 2600-2.0
blueplanet PVI 2600-2.6	blueplanet PVI 3500i	blueplanet PVI 4000
blueplanet PVI 4000i	blueplanet PVI 4500i	blueplanet PVI 5000
blueplanet PVI 5000i	blueplanet 1502xi	blueplanet 2502xi
blueplanet 2901xi	blueplanet 3502xi	blueplanet 3601xi
blueplanet 5002xi	blueplanet 6400xi supreme	blueplanet 6400M
blueplanet 7600xi supreme	blueplanet 7600UM	blueplanet XP83U-H6

blueplanet XP90U-H6	blueplanet XP 100U-H2	blueplanet XP100U-H4
blueplanet XP 100U-H6	blueplanet 2.0 TL1	blueplanet 2.6 TL1
blueplanet 3.0 TL1	blueplanet 3.5 TL1	blueplanet 3.7 TL1
blueplanet 4.0 TL1	blueplanet 4.6 TL1	blueplanet 5.0 TL1
blueplanet 5.0 TL3	blueplanet 6.5 TL3	blueplanet 7.5 TL3
blueplanet 8.6 TL3 INT	blueplanet 9.0 TL3	blueplanet 10.0 TL3 (H4)
blueplanet 10.0 TL3 INT	blueplanet 10.0 TL3 (H6)	blueplanet 32.0 TL3 M3 OD
blueplanet 32.0 TL3 M1 OD	blueplanet 40.0 TL3 M3 OD	blueplanet 40.0 TL3 M1 OD
blueplanet 50.0 TL3 M3 OD	blueplanet 50.0 TL3 M1 OD	blueplanet 60.0 TL3 M3 OD
blueplanet 60.0 TL3 M1 OD	blueplanet 750 TL3	blueplanet 875 TL3
blueplanet 1000 TL3	blueplanet 50.0 TL3 Basic, M, XL, XLF	

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

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