16.6 Kaco

Overview

This protocol is meant to be used by inverters that convert the DC power generated by the photovoltaic (PV) modules into AC power and feed this into the power grid.

> ℹ️ This protocol handles serial communication parameters (baudrate, databits, stopbits, etc.) automatically.

Configuration

Kaco parameters for the *Device* tab

Parameter	Type	Description	Required	Default value (when not specified)	Range Min	Max
name	string	User-friendly device name	Yes			
description	string	Description of a device	No			
device_alias	string	Alphanumeric string to identify a device	Yes			
enable	boolean	Enabling/disabling of a device	No	1	0	1
protocol	string	Protocol to be used.	Yes		Kaco	
scan_rate_ms	integer	All reads and writes will be executed within the timeframe in milliseconds.	No	10000		
poll_delay_ms	integer	Minimum time delay in milliseconds to wait before sending any data on port.	No	200		
timeout_ms	integer	Timeout of waiting for incoming requests in milliseconds	Yes	2500	0	60000
subid	integer	Inverter serial number display	Yes	0		
ext_device	boolean	0 - The inverter is connected directly 1 - Inverter is connected via remote terminal	Yes	0	0	1
id	integer	Inverter serial number	Yes			
device	string	Communication port	Yes		PORT1	PORT2

Kaco parameters for the *Signals* tab

Parameter	Type	Description	Required	Default value (when not specified)	Range	

				specified)		
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signal_name	string	User-friendly signal name	Yes			
device_alias	string	Device alias from a Devices tab	Yes			
signal_alias	string	Unique alphanumeric name of the signal to be used	Yes			
enable	boolean	Enabling/disabling of an individual signal	No	1	0	1
log	integer	Enable logging in the event log	No	0		
number_type	string	Type of a number (FLOAT, DOUBLE, DIGITAL, etc.)	Yes			
job_todo	string	Tag job as single or multiple comma-separated OBIS codes	Yes			
tag_job_todo	string	Tag sub job	Yes			
pulse_short_time_ms	integer	The time interval for a short output pulse to stay active	No	0		
pulse_long_time_ms	integer	The time interval for a long output pulse to stay active	No	0		