

16.7 POWERONE

Overview

PowerOne protocol is used to communicate with Aurora inverters over serial communication. Serial communication parameters (baudrate, parity, etc.) are handled automatically by the protocol.

Configuration

PowerOne parameters for the *Device* tab

Parameter	Type	Description	Required	Default value (when not specified)	Range	
					Min	Max
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		powerone	
serial_number	integer	Inverter serial number	Yes			
type	string	Inverter type : <ul style="list-style-type: none">• CU - Collecting unit• CB - Normal CB• HID - HID with integrated CB	No	CU	CU, CB, HID	
device		Communication port	Yes		PORT1	PORT2
baudrate	integer	Communication speed (bauds/s)	No	9600	300, 600, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200	
scan_rate_ms	integer	Delay before closing serial port 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	No	2500	0	60000
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PowerOne parameters for *Signals* tab

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

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