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## About

 njfaria Update suporternames.md ... on 13 Feb 🕒 107

	config solpi...	version 1.4.1	6 years ago
	configPVou...	Help file config pvoutput	6 years ago
	docs	Update suporternames.md	6 months ago
	release	release changes	2 years ago
	HS_MS_MS...	Add files via upload	6 years ago
	LICENSE	Update LICENSE	6 years ago
	README.md	version 3.1.1	12 months ago
	solPipLog.ico	2.0.0	5 years ago
	solpiplog.gif	Add files via upload	6 years ago
	solpiplog.p...	logo	6 years ago
	solpiplog1...	2.5.0 Lion	2 years ago
	solpiplog2...	2.5.0 Lion	2 years ago

☰ README.md

Logger for the PIP Inverter series ( USB / RS232 version )

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## Releases 17

 **MAX** Latest  
on 18 Aug 2021

[+ 16 releases](#)

## Packages

No packages published





# SolPipLog

release v3.1.1.20210816

downloads 5.2k

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## Logger for the PIP Inverter series ( USB + RS232 version)

- Voltronic Axpert, Mppsolar PIP, Voltacon, Effekta, KING and other branded Oems
- [integration with Victron Battery Monitor](#)
- [integration with Daly BMS](#)
- [integration with Batrium BMS](#)
- [integration with Pylontech](#)
- want to support me ? [donate](#) [Paypal](#)
- working on Raspberry Pi2/Pi3/Pi4 version.
- sends data over MQTT
- change by time to grid or to batterie/solar
- change by time charge order
- change on SOC to grid or to batterie/solar
- logs data from Inverter to remote or local [Emoncms](#) server
- logs MULTIPLE USB Inverter ( v. 2.3.0 and up )

Emoncms is an open-source web application for processing, logging and visualising energy, temperature and other environmental data and is part of the [OpenEnergyMonitor project](#).

- sends data to [PVOutput](#).

PVOutput is a free service for sharing and comparing PV output data.

## Install

- For **RASPBERRY** users. Copy folder "sol" to your

"/home/pi" directory. Execute "setup.sh" which is inside "sol" folder

- make **solpiplog** executable with
  - **sudo chmod +x solpiplog** or
  - change it with graphical interface inside of Raspberry. Right click on file - properties - permissions tab - tick execute allow executing file as program
  - probably you dont even need to do it, if i dont forget to make it executable :)
- create an account on [Emoncms](#) or install **Emoncms** on your own server.
- optional: create an account on [PVOutput](#).
- configure **SolPipLog** with your Emoncms API-Key
- optional configure **SolPipLog** with your PVOutput SystemID and API-Key.
- choose autoload config and start and press on Save ( if you restart SolPipLog it loads the config file and runs. )

## Values sent to Emoncms when logging with node

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## Values sent to Emoncms when logging with pip serialnumber/name

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## Values sent over MQTT for Inverter

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## Version

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## Release

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release v3.1.1.20210816

## Examples

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- [solar](#)

## Image

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- [image](#) image based on RASPBIAN Buster, RealVNC

installed, Emoncms installed, MQTT installed burn  
with etcher.io or similar software. username:pi  
password:solpiplog

follow on <http://www.photovoltaikeforum.com/datenlogger-f5/usb-datenlogger-fuer-pip-serie-solpiplog-t114101.html>

## Appearance

The screenshot shows the SolPipLog 2.5.0 Lion web interface. The main content area displays the version information: "SolPipLog (c) 2016-2020 by Nuno Faria v 2.5.0.20200501 Lion". It also includes a description: "USB /rs232 version of the Logger for Volttronic Axpert MEX Off-Grid Inverter and similar latest version on <https://github.com/njfaria/SolPipLog>". A list of supporters is provided, including names like Rene Medzech, Tobias Jachmann, and others. There are buttons for "Start", "Stop", and "SEND". A "Solar Battery Utilit" link is visible. The status bar at the bottom shows the date "03-05-2020 16:26:45" and "online since: 0 days, 0 hours and 24 minutes".

The screenshot shows the SolPipLog 2.5.0 Lion web interface with the Config tab selected. The main content area displays a table of configuration parameters. The table has two columns: parameter names and their values. The parameters include various AC output ratings, battery voltages, and charging settings. The status bar at the bottom shows the date "03-05-2020 16:27:23" and "online since: 0 days, 0 hours and 25 minutes".

Parameter	Value
OP1GS	updating
01 AC_2L_V	235.7
02 AC_2L_A	49.9
03 AC_OUT_V	230.3
04 AC_OUT_A	49.5
05 AC_OUT_P	2425
06 AC_OUT_W	2343
07 AC_OUT_LOAD_PERCENT	014
08 BATT_V	27.7
09 BATT_V	26.44
00 BATT_CHRG	000
11 BATT_CAPACITY_PERCENT	100
12 HESTSVIX_TEMP	0049
13 PULS_BATT	0000
14 PV_V	000.0
15 BATT_U_SOC	00.00
16 BATT_U_CHRG	00014
17 Device Status	0001 0000
18 Battery voltage offset for fans on	00
19 BATT_U_warn	00
20 PV Charging Power	00000
21 Device status	010
Device Mode	Battery
01 Grid Rating voltage	230.0
02 Grid Rating current	10.0
03 AC output rating voltage	230.0
04 AC output rating frequency	50.0
05 AC output rating current	10.0
06 AC output rating apparent power	3000
07 AC output rating active power W	2400
08 Battery rating voltage	24.0
09 Battery re-charge voltage	22.0
00 Battery under voltage	20.4
11 Battery bulk voltage	26.8
12 Battery float voltage	27.2
13 Battery type	2
14 max charging current with UTI	20
15 max charging current to BATT	200
16 Input voltage range	2
17 Output source priority	2
18 Charge source priority	3
19 Parallel max num	1
20 Machine type	01
21 Topology	0
22 Output mode	0
23 Battery re-discharge voltage	24.5
24 PV OK condition for parallel	0
25 PV power balance	1
26 max charging current with PV	0
27 Operation logic	0