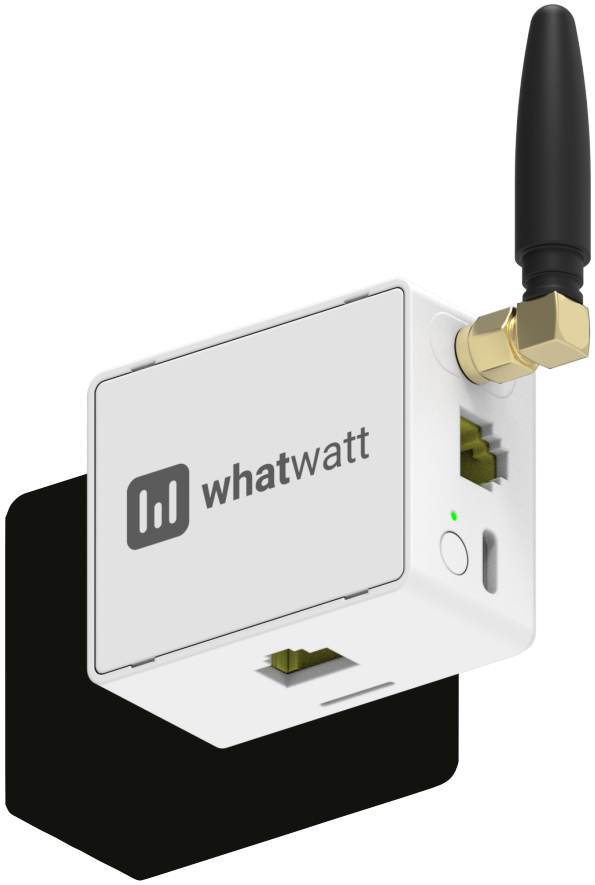
HOW-TO

Store and import CSV values on microSD-Card



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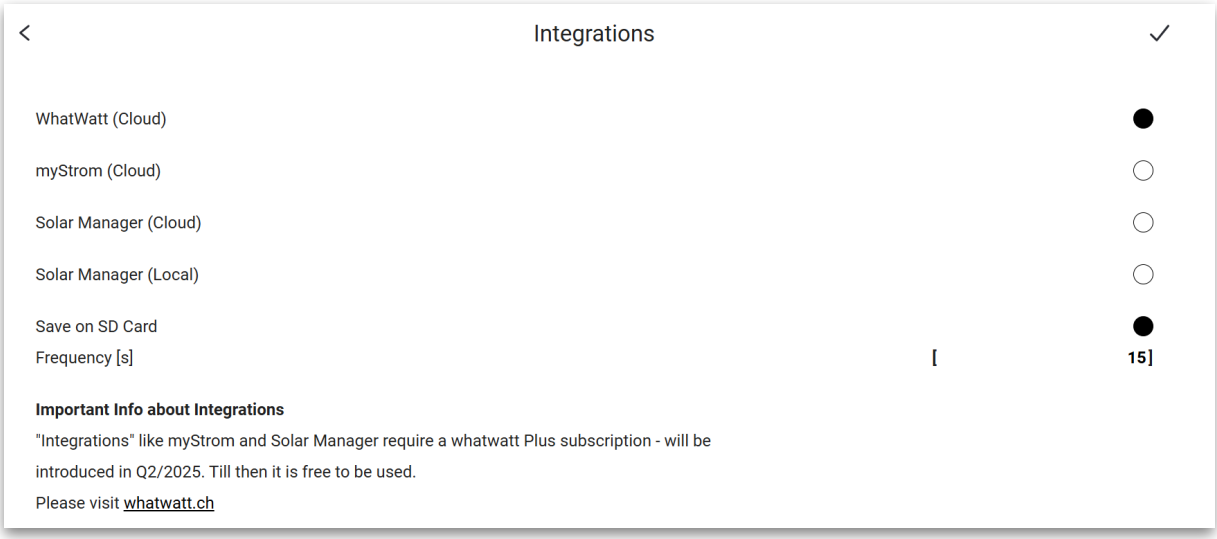
1. Introduction

whatwatt Go has a microSD-card slot that allows to store smart-meter data on the inserted card and then import the CSV-file (Data) into any program that is able to handle CSV files – e.g. Microsoft Excel or Apple Numbers.

Please note – The microSD card is not part of whatwatt Go can be purchased as a separate accessory in our online store. Please insert the card with the golden contacts towards the whatwatt logo on top of the device.

2. Enable Storage of Data on microSD-Card

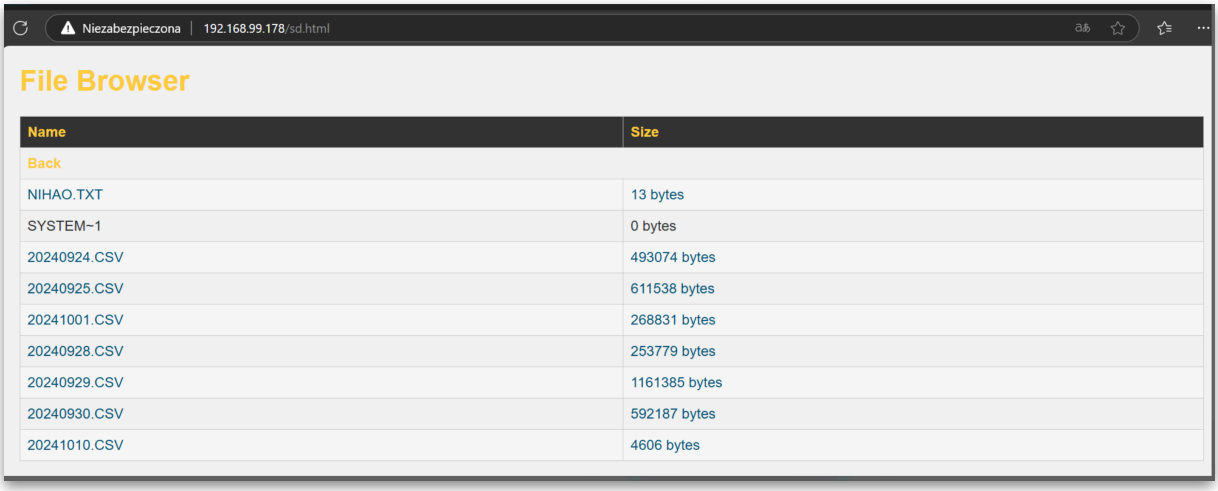
You can enable the service „Save on SD card“ under „Service“ in the WEB interface of your whatwatt go. whatwatt Go will save the data as provided by the smart meter and create a daily CSF file.



3. Download CSV file

You can download the CSV file via browser. Just enter the IP of your whatwatt followed by „/sd.html“ into your browser

Right-Click to download the daily file.



4. Import CSV file into computer program

You can import the file into the program which you want to use to analyze or visualize the data. Simply drop the file on the corresponding program icon. Please make sure that the „comma“ is the column separator character.

5. Read/understand the data

The data exported is dependent on the smart meter type/configuration - up to 64 values are supported.

A full list of potential data is available here – [SUPPORT HOW TO's]

In order to enhance readability we offer here a file with the columns with more details – [SUPPORT HOW TO's]. You can copy the 3 lines on top of your imported CSV file.

Field	Logical name (C.D.E)	Description	Unit
RID		The report number that the device processed. This counter increments from the time the device boots.	
TIME		Date and time sent by the meter in the report, in local timezone	
MID	96.1.0	Meter identifier	
MSTAT		Meter status	
TARIFF		Current tariff	
PF	13.7.0	Instantaneous power factor	
EAP_T	1.8.0	Positive active energy (A+) total	kWh
EAP_T1	1.8.1	Positive active energy (A+) in tariff T1	kWh
EAP_T2	1.8.2	Positive active energy (A+) in tariff T2	kWh
EAN_T	2.8.0	Negative active energy (A+) total	kWh
EAN_T1	2.8.1	Negative active energy (A+) in tariff T1	kWh
EAN_T2	2.8.2	Negative active energy (A+) in tariff T2	kWh
ERP_T	3.8.0	Positive reactive energy (Q+) total	kvarh
ERP_T1	3.8.1	Positive reactive energy (Q+) in tariff T1	kvarh
ERP_T2	3.8.2	Positive reactive energy (Q+) in tariff T2	kvarh
ERN_T	4.8.0	Negative reactive energy (Q-) total	kvarh
ERN_T1	4.8.1	Negative reactive energy (Q-) in tariff T1	kvarh
ERN_T2	4.8.2	Negative reactive energy (Q-) in tariff T2	kvarh
ERII_T	5.8.0	Imported inductive reactive energy in 1-st quadrant (Q1) total	kvarh
ERII_T1	5.8.1	Imported inductive reactive energy in 1-st quadrant (Q1) in tariff T1	kvarh
ERII_T2	5.8.2	Imported inductive reactive energy in 1-st quadrant (Q1) in tariff T2	kvarh
ERIC_T	6.8.0	Imported capacitive reactive energy in 2-nd quadrant (Q2) total	kvarh
ERIC_T1	6.8.1	Imported capacitive reactive energy in 2-nd quadr. (Q2) in tariff T1	kvarh
ERIC_T2	6.8.2	Imported capacitive reactive energy in 2-nd quadr. (Q2) in tariff T2	kvarh
EREI_T	7.8.0	Exported inductive reactive energy in 3-rd quadrant (Q3) total	kvarh
EREI_T1	7.8.1	Exported inductive reactive energy in 3-rd quadrant (Q3) in tariff T1	kvarh
EREI_T2	7.8.2	Exported inductive reactive energy in 3-rd quadrant (Q3) in tariff T2	kvarh
EREC_T	8.8.0	Exported capacitive reactive energy in 4-th quadrant (Q4) total	kvarh
EREC_T1	8.8.1	Exported capacitive reactive energy in 4-th quadr. (Q4) in tariff T1	kvarh
EREC_T2	8.8.2	Exported capacitive reactive energy in 4-th quadr. (Q4) in tariff T2	kvarh
MDAP_T	1.6.0	Positive active maximum demand (A+) total	kWh
MDAP_T1	1.6.1	Positive active maximum demand (A+) in tariff T1	kWh
MDAP_T2	1.6.2	Positive active maximum demand (A+) in tariff T2	kWh
MDAN_T	2.6.0	Negative active maximum demand (A-) total	kWh
MDAN_T1	2.6.1	Negative active maximum demand (A-) in tariff T1	kWh
MDAN_T2	2.6.2	Negative active maximum demand (A-) in tariff T2	kWh
IPAP_T	1.7.0	Positive active instantaneous power (A+)	kW
IPAP_L1	21.7.0	Positive active instantaneous power (A+) in phase L1	kW
IPAP_L2	41.7.0	Positive active instantaneous power (A+) in phase L2	kW
IPAP_L3	61.7.0	Positive active instantaneous power (A+) in phase L3	kW

IPAN_T	2.7.0	Negative active instantaneous power (A-)	kW
IPAN_L1	22.7.0	Negative active instantaneous power (A-) in phase L1	kW
IPAN_L2	42.7.0	Negative active instantaneous power (A-) in phase L2	kW
IPAN_L3	62.7.0	Negative active instantaneous power (A-) in phase L3	kW
IPRP_T	3.7.0	Positive reactive instantaneous power (Q+)	kvar
IPRP_L1	23.7.0	Positive reactive instantaneous power (Q+) in phase L1	kvar
IPRP_L2	43.7.0	Positive reactive instantaneous power (Q+) in phase L2	kvar
IPRP_L3	63.7.0	Positive reactive instantaneous power (Q+) in phase L3	kvar
IPRN_T	4.7.0	Negative reactive instantaneous power (Q-)	kvar
IPRN_L1	24.7.0	Negative reactive instantaneous power (Q-) in phase L1	kvar
IPRN_L2	44.7.0	Negative reactive instantaneous power (Q-) in phase L2	kvar
IPRN_L3	64.7.0	Negative reactive instantaneous power (Q-) in phase L3	kvar
IPA_T	9.7.0	Apparent instantaneous power (S+)	kVA
V_L1	32.7.0	Instantaneous voltage (U) in phase L1	V
V_L2	52.7.0	Instantaneous voltage (U) in phase L2	V
V_L3	72.7.0	Instantaneous voltage (U) in phase L3	V
I_L1	31.7.0	Instantaneous current (I) in phase L1	A
I_L2	51.7.0	Instantaneous current (I) in phase L2	A
I_L3	71.7.0	Instantaneous current (I) in phase L3	A
MIDENT	42.0.0	Meter identifier	
MMODEL	96.1.1	Meter model	
MIF		Meter interface	
MPROT		Meter protocol	
RP		Report period. How often does the meter send a report	