Shelly 3EM historical data
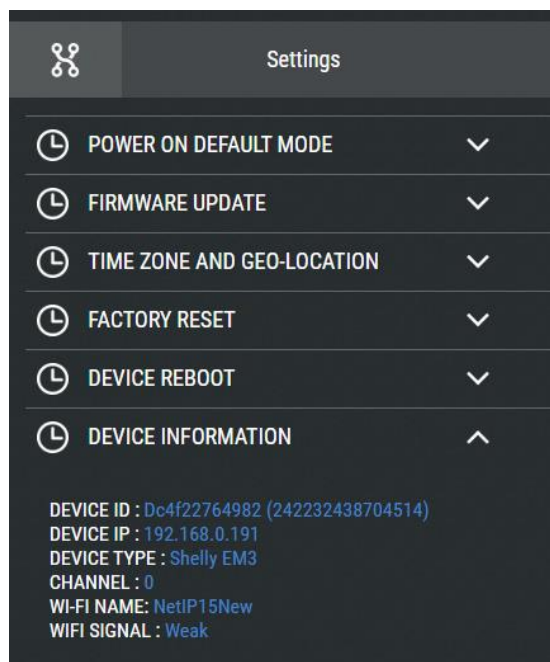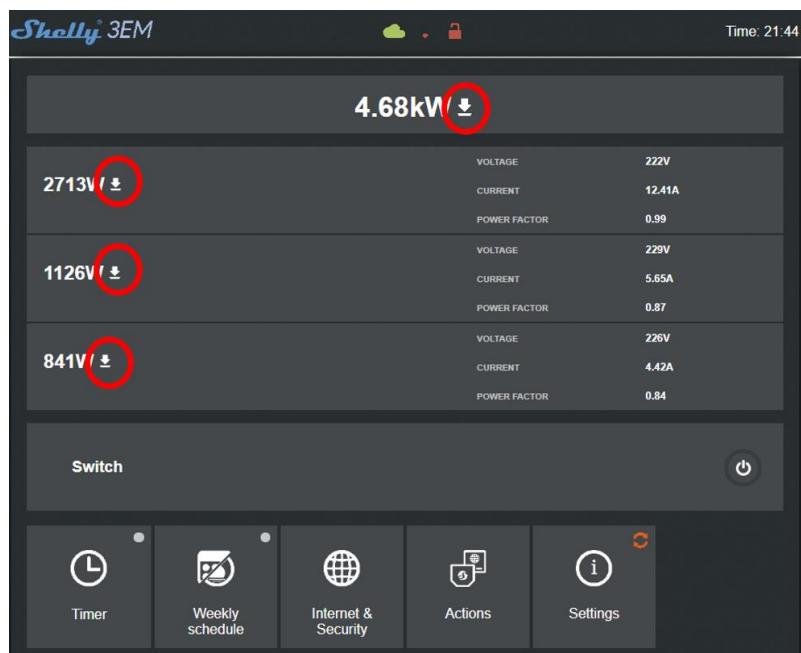
Description

Shell3EM records energy consumed and generated over the last 365 days. Memory write interval is minutes.

Download stored data in Shelly3EM?

Open Shelly3EM webUI. You can find local IP in Shelly APP -> Settings -> Device information.

Then open device by IP from PC browser and press download sign which follow each value:

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Attention: Download files one by one, not all together.

Then you will have 3 files.

You can rename them for easy understanding.

File	Date	Type	Size
PhaseA.csv	3/2/2020 9:55 PM	Microsoft Excel C...	202 KB
PhaseB.csv	3/2/2020 9:57 PM	Microsoft Excel C...	202 KB
PhaseC.csv	3/2/2020 9:57 PM	Microsoft Excel C...	201 KB
Total.csv	3/2/2020 9:50 PM	Microsoft Excel C...	205 KB

Sort data

Because Shelly3EM do not have real file system you may need to open all files one by one in Excel and sort data by first column. Then you can copy data from all files to one sheet.

Date/time UTC	Total Active energy Wh	Returned energy Wh	Phase A Active energy Wh	Returned energy Wh	Phase B Active energy Wh	Returned energy Wh	PhaseC Active energy Wh	Returned energy Wh
2/5/2020 17:40	202.4	3	202.4	3	0.5	0	0.4	0
2/5/2020 18:00	0.3	0	0.3	0	100.5	0	86.6	0
2/5/2020 18:05	0.6	0	0.6	0	20	0	7.1	0.1
2/5/2020 18:10	1.8	0	0.9	0	0.3	0	0.2	0
2/5/2020 21:00	296.3	0	109.2	0	3.7	0	2.4	0
2/5/2020 21:05	54.5	0.1	27.4	0	91	0	54.6	0
2/5/2020 21:10	0.9	0	0.4	0	87	0	55.2	0
2/5/2020 21:55	10.1	0	4	0	81.4	0	64	0
2/5/2020 22:00	235.8	0	90.2	0	68.8	0	63	0
2/5/2020 22:05	233.6	0	91.4	0	69.3	0	59.1	0
2/5/2020 22:10	226.3	0	80.9	0	87.9	0	79.3	0
2/5/2020 22:15	210	0	78.2	0	118.7	0	107.9	0
2/5/2020 22:20	204.7	0	76.3	0	156.3	0	144.9	0
2/5/2020 22:25	263.6	0	96.4	0	75	0	61	0
2/5/2020 22:30	360.3	0	133.7	0	61.3	0	46.9	0
2/5/2020 22:35	474	0	172.7	0	83.7	0	71.7	0
2/5/2020 22:40	211.3	0	75.3	0	65.2	0	58	0
2/5/2020 22:45	179.7	0	71.5	0	58.7	0	55.6	0
2/5/2020 22:50	249.8	0	94.4	0	59	0	54.8	0
2/5/2020 22:55	201.6	0	78.4	0	62	0	56.1	0
2/5/2020 23:00	185.6	0	71.3	0	62	0	52.8	0
2/5/2020 23:05	185.2	0	71.4	0	64.5	0	54.5	0
2/5/2020 23:10	187.9	0	69.8	0	60.9	0	53.8	0
2/5/2020 23:15	182.9	0	68.1	0	53.3	0	46	0
2/5/2020 23:20	187.8	0	68.8	0	49	0	49.2	0
2/5/2020 23:25	188	0	73.3	0	67	0	65	0
2/5/2020 23:30	163.8	0	64.5	0	197.4	0	186.9	0
2/5/2020 23:35	156.2	0	58	0	177.9	0	162.1	0
2/5/2020 23:40	211.3	0	79.3	0	122.1	0	103.9	0
2/5/2020 23:45	597	0	213.1	0	87.6	0	78.8	0
2/5/2020 23:50	531	0	191.2	0	66.2	0	59.2	0
2/5/2020 23:55	353.5	0	127.5	0	60.7	0	53.7	0
2/6/2020 0:00	267.2	0	100.8	0	62.6	0	55.8	0
2/6/2020 0:05	208.4	0	83	0	64.8	0	55.7	0
2/6/2020 0:10	194.2	0	79.8	0	63.2	0	55.4	0

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Using excel tools you can make different graphics: