HEMS G2 Configurator

hems_configurator_v1.0.4.exe

home

Basic system overview.

HEMS Configurator v1.1.0		– 🗆 ×
		5 °C home
Grid	PV plant	power [W]
LO: 1372 Wh HI: 0 Wh D-LO: 0 Wh		energy [Wh]
e w	2 ^ e wh : ^ e wh :	timetable
	ем 1, ем 1,	tariff
		settings
	3 ^ e tin ;" ^ e tin ;"	
	Consumer1 Consumer2 Consumer3 Consumer4	
	e wh	² 0
	Consumer5 Consumer6 Consumer7 Consumer8	
	₄ ×° № 0 © ×° № 0 © ×° № 0 © ×° № 0 © ×° № 0 © ×° № 0 © ×° № 0 © ×° № 0 © ×° № 0 © ×° № 0 © 0	
Unknown source	Other consumers	
5 ^{A 18} 18 Wh	6 1372 Wh [] ()	
		exit
mon 11:25:59		

1. Grid							
	From grid	Tariff (LO, HI, D-LO, D-HI) and power from grid in W					
>		Imported energy by tariff in Wh					
	To grid	Power exported to grid in W					
<	To grid	Exported energy in Wh					
2. Plants							
<	Produced	Produced power in W and energy in Wh					
>	Consumed	Consumed power in W and energy in Wh					
3. Storage system	ms						
< Sourced		Power in W and energy in Wh sourced from storage (battery)					
>	Stored	Power in W and energy in Wh stored (to battery)					
bargraph and % ¹ SOC		Battery State Of Charge					
4. Consumers							
>	Consumed	Consumed power in W and energy in Wh					

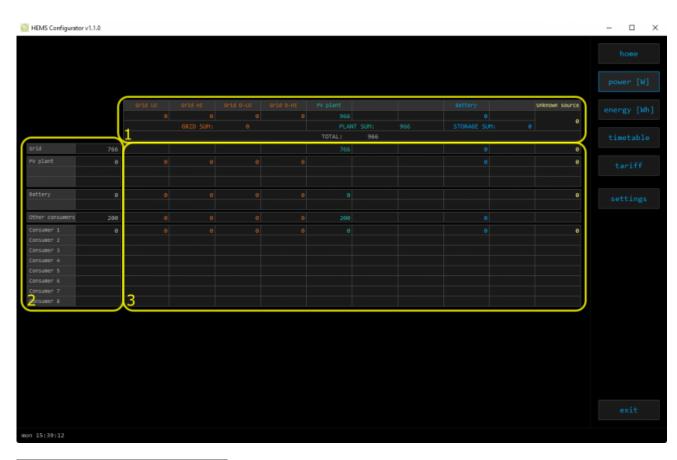
[]	Status	Output status for managed consumers					
bargraph ²	Analog out	Analog output value					
click	Toggle	Click in frame toggles managed consumers output					
long-press ²	Set analog	Long press on first consumer pops-up dialog for analog value set					
5. Unknown sour	5. Unknown source						
>	Sourced	Power in W and energy in Wh from unknown source					
	Accumulate also all differences caused by power-sensor inaccuracy						
	6. Other consumers						
>	Consumed	Consumed power in W and energy in Wh by other (not measure consumers					

¹ only for eStore

² only for first managed consumer

power

Overview of current power distribution by source / consumer.



1. Sourced power

Sourced power for each source

Sums per source type Total of all sourced power

2. Consumed power

Power for each consumer

3. Power distribution

Partial distributed power

	/1.1.0										- D
						PV plant				Unknown source	
					0.10 0.HT	966			8	unknown source	
						PLAN	SUM:				
						TOTAL:	966				timetabl
	766					766				0	
2plant	0	9	0	9					0	0	
2											tariff
Battery	0	e	9	8	(e				e	
Other consumers	200	0	0	8		200			0		
Consumer 1	9		8			a				0	
Consumer 4											
						1					
						بل					

1. Sourced power distribution

How sourced power is consumed by each consumer

2. Consumed power distribution

Who sources consumed power

energy

Energy overview of a given time distributed by sources / consumers.

S HEMS Configurator v	1.1.0								- 🗆 X
	(Grid LO						Unknown source	energy [Wh]
								21	
		1				6789			timetable
Grid	2330				2092		223	15	
PV plant	61							1	
Battery	206	0	0	0	201			5	
bucci y	200							,	
Other consumers	4192								
Consumer 1	0							0	
Consumer 2 Consumer 3									
Consumer 4									
Consumer 5									
Consumer 6 Consumer 7									
2isumer 8		3							
Energy since: sun	00.00.0000	00:00:00							
4									
								et all	
tue 08:31:17									

- 1. Sourced energy
- Sourced energy for each source
- Sums per source type

Total of all sourced energy

2. Consumed energy

Energy for each consumer

3. Energy distribution

Partial distributed energy

4. Energy since

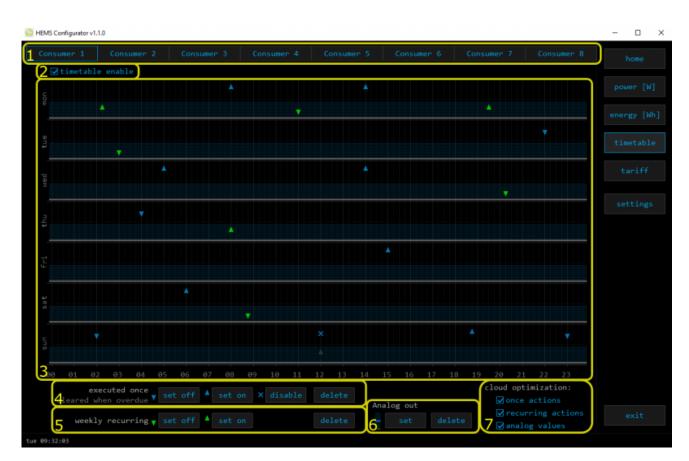
Date and time since energy is recorded

5. Reset all

Long-press to reset all energy counters

timetable

Weekly timetable for managed consumers.



1. Managed load menu
Switch between managed loads
2. Enable checkbox
When un-checked timetable is not executed
3. Events grid
Events displayed in weekly grid (15 min resolution)
Click to select time and set event by clicking buttons below
4. Once actions (top priority timetable actions)
Actions are executed and then automatically cleared.
"Disable" action will just disable recurring action.
5. Recurring actions (low priority actions)
Actions are executed each week.
6. Analog out
Action to set analog output. Analog actions are recurring.
7. Cloud optimization

When enabled (checked) cloud optimization is enabled.

tariff

Weekly tariff timetable for grid energy per tariff distribution.



7/10

Graphical weekly timetable with tariffs.

Click to select term, click-and-drag to select multiple terms.

2. Low tariff

Set low tariff for selected terms.

3. High tariff

Set high tariff for selected terms.

settings

Easy and intuitive system setup.

😳 HEMS Configurate	or v1.1.0									- 🗆 X
		ଡ) push messa	ernet act hable v fimer: 23 s ges: 2520 / 2519 trip: 33 ms		reset					
SOURCES	icon	source managem	ent		meter	15 TAN	new c	levice		
Grid	Grid	✓ ок.	add	del	PM3-I-D	1				
PV plant	PV plant	✓ ok.			PM1-E-D in					
					1					
		× /			1					
Battery		🗸 ок.			eStore					
		× /			1					
Unknown source									setting	
CONSUMERS		consumer manage			meter		man.time	out mode	timetable	
Consumer 1	Wireless plug	✓ ок.			SCN-WE	SCM-WE ()+(X	
Consumer 2		× /	add		/	QX1				
Consumer 3					1	QX2			N N	
Consumer 4					1	QX3			×	
Consumer 5					1				×	
Consumer 6					1				×	
Consumer 7					1				X	
Consumer 8	Water boiler				1				X	
other consumers	Home									
		ry parameters ve parameters read parameter autosave parameters	er's		5 backi	up	restore			

1. System settings

1. System settings								
[autode	tect]	Click to find HEMS G2 in local network						
	c	eStore serial number (automatically detected or can be entered manually).						
eStore	[] enable	When checked HEMS will read Grid, first plant and first Storage directly from eStore (so there is no need to duplicate power-sensor).						
	[detect]	eStore address is cleared and new eStore can be detected.						
	c	HIQ Home serial number (automatically detected or ca be entered manually).						
HIQ Home	[] enable	When checked HEMS will read Grid power and energy from HIQ Home (so there is no need to duplicate power-sensor).						
	[detect]	HIQ Home address is cleared so new can be detected.						
2. Internet access								
[] enable	When checked HEMS is automatically connected to HIQ Universe cloud service. Connection is initialized by HEMS system and uses UDP packets on port 8442.							
[test]	New "push" mes	ssage is sent to server and roundtrip time is rechecked.						
[reset]	Clear messages	counts and roundtrip time						
push timer	Timer in s for se	nd "push" message to server						

messages	Sent "push" messages / responses counters						
roundtrip	Time in ms between sent push message and response.						
3. Sources and Cons	umers settings	table					
SOURCES	source name						
icon	source icon						
	source power-sensor management						
	message	messages regarding source power-sensor					
source management	add	associate new power-sensor to source					
	del	disassociate power-sensor from source & configure it as new power-sensor					
meter	source power-se	ensor type					
meter	in/ex	power plant connected ¹					
new device	power-sensor co configuration ²	nfigured as new one detected or wireless module					
Wireless setting	setting up wirele	ess modules					
CONSUMERS	consumer name						
icon	consumer icon						
	consumer meter and output management						
	message	messages regarding consumer meter and output					
consumer management	add	associate new power-sensor or new wireless module ² to consumer					
management	del	disassociate power-sensor or wireless module ² from consumer & configure it as new power-sensor or new wireless module ²					
meter	consumer meter	r type					
.	consumer outpu	t type					
output	<<·>>	setting repeater mode ²					
man. time	manged consum	ner manual override timer					
out mode	manged consum	ner output mode (normal or inverted)					
timetable	manged consum	ner timetable execution enabled					
4. Permanent memo	ry parameters						
[init parameters]	init all paramete	ers to default value					
[save parameters]	save all parame	ters to permanent memory					
[read parameters]	read all paramet	ters from permanent memory					
[] autosave		be automatically saved to permanent memory in 15					
parameters		st parameter change					
5. Backup / Restore	1						
[backup]	backup all parar						
[restore]	restore all paran	neters from PC backup					

¹ only for the first power plant

² wireless setting must be enabled

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