HEMS G2 Configurator

HEMS Configurator

home

Basic system overview.

C HEMS Configurator v1.1.0			– 🗆 ×
		Temperature 23,5 °C Homidity 52 %RH	
Grid	PV plant ewij ewij		
LO: 1372 Wh HI: 0 Wh			
14 D-HI: 0 Wh d 0 w	2 ^ e uh j ^u ^ e uh j ^u)	
1 18 Wh	ем ;,		
	3 × • wh ;•		
	Consumer1 Consumer2 Consumer3	Consumer4	
	e M P C C C C C C C C C C C C C C C C C C	× 🖏 🕨 🖸 🖸	
	Consumer5 Consumer6 Consumer7	Consumer8	
Unknown source	Other consumers		
5 · · · · · · · · · · · · · · · · · · ·	6 1372 Wh		
mon 11:25:59			

1. Grid		
	Erom grid	Tariff (LO, HI, D-LO, D-HI) and power from grid in W
>	From grid	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 syste	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

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[]	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	ce	
>	Sourced	Power in W and energy in Wh from unknown source
	Accumulate als	so all differences caused by power-sensor inaccuracy
6. Other consum	ers	
>		Consumed power in W and energy in Wh by other (not measured) consumers
7. Temperature a	and humidity	
	Temperature	Temperature in ^o C
	Humidity	Humidity in % RH

¹ only for eStore

² only for first managed consumer

power

Overview of current power distribution by source / consumer.

HEMS Configurator v1.	.1.0									-	n x
	C	erid Lo	Grid HI	Grid D-LO	Grid D-HI	PV plant		Battery	Unknown source		
				8						en	
									•		
	-4					TOTAL:	966			t	
Grid	766					766			0		
PV plant	0										
Battery	0									5	
Other consumers	280	0	8								
Consumer 1	0										
Consumer 2 Consumer 3											
Consumer 4											
Consumer 5											
Consumer 6											
Consumer 7											
Zinsumer B		3)	
mon 15:39:12											

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

Last update: 2021/02/02 10:44

en:hems:software http://wiki.hiq-universe.com/doku.php?id=en:hems:software&rev=1612262697

		erid LO	Grid HI	Grid D-LO	Grid D-HI	PV plant		Battery	Unknown source	
			e GRID SUM:			966				
			ORID SUM:			PLAN TOTAL:	SUM: 966			
	766					766	500		0	timetabi
2plant	9	9	8	8		/00		9	0	
Z press.	ų	9	U	U				 U		tariff
attery	0	0	9	8		e			9	
ther consumers	200					200				
						9				
onsumer 2										
onsumer 6										
onsumer 7										
onsumer 8						1				

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

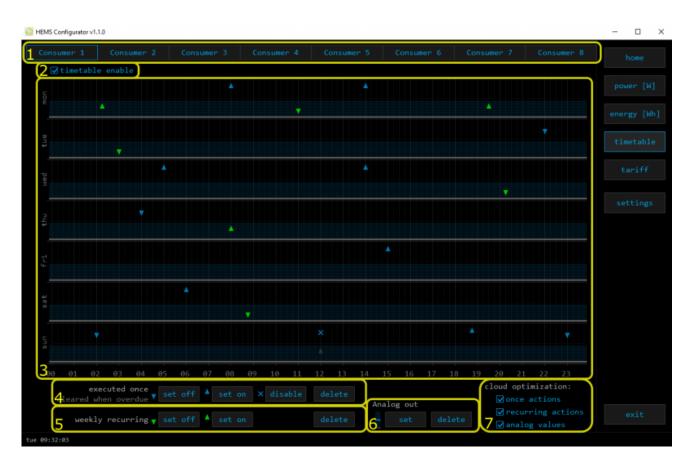
Date and time since energy is recorded

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.



1. Tariff grid	k
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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.

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settings

Easy and intuitive system setup.

System settings Internet access power [w] I vos: c68J1 (v1.1.0) power [w] energy [w] I vos: c68d1 (v1.0) power [w] energy [w] I vos: c68d1 (v1.0) power [w] energy [w] I vos: c68d1 (v1.0) power [w] file I vos: c68d1 (v1.0) power [w] power [w] I vos: c68d1 (v1.0) power [w] power [w] I vos: c68d1 (v1.0) power [w] power [w] I vos:	🔯 HEMS Configurato	r v1.1.0									- 🗆 X
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1. System settings

1. System settings	9	
[auto	odetect]	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 can 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		MS is automatically connected to HIQ Universe cloud ection is initialized by the HEMS system and uses UDP 442.
[test]	New "push" messa	age is sent to server and roundtrip time is rechecked.
[reset]	Clear messages co	ounts and roundtrip time

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ner icon ner meter and	d output management					
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	d output management					
nessage	Consumer meter and output management					
-	Messages regarding consumer meter and output					
add	Associate new power-sensor or new wireless module ² to consumer					
del	Disassociate power-sensor or wireless module ² from consumer & configure it as new power-sensor or new wireless module ²					
ner meter typ	pe					
ner output ty	ре					
<<>>	Setting repeater level ³					
d consumer n	nanual override timer					
d consumer o	output mode (normal or inverted)					
d consumer ti	imetable execution enabled					
ameters						
	o default value					
	s to permanent memory					
•	from permanent memory					
eters will be a	automatically saved to permanent memory in 15 arameter change					
all paramete	ers to PC					
	parameters t Il parameters Ill parameters eters will be a					

 $^{\scriptscriptstyle 1}$ only for the first power plant

² wireless setting must be enabled

³ only for wireless modules and wireless setting must be enabled

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