HEMS G2 Configurator

hems_configurator_v1.0.4.exe

home

Basic system overview.

Will HEMS Configurator v1.1.0		- 0 X
	Temperature 23,5 °C Hymidity 52 MRH	
Grid	PV plant ew ; ew ;	
LO: 1372 Wh		
PHI: 0 Wh	2 ^ e lih :" ^ e lih :"	
	ем і.	
	3 ^ e wh :"	
	Consumer1 Consumer2 Consumer3 Consumer4	
Г		
	Consumer5 Consumer6 Consumer7 Consumer8	
Unknown source	Other consumers	
5 P 18 Wh	6 1372 Wh	
mon 11:25:59		

1. Grid						
	From 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				
K	ro griu	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 al	so all differences caused by power-sensor inaccuracy						
6. Other consum	ers							
>	Consumed	Consumed power in W and energy in Wh by other (not measured) consumers						
7. Temperature a	7. Temperature 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										-	□ ×
		Grid LO	Grid HI	Grid D-LO	Grid D-HI	PV plant		Battery		Unknown source		
						966			9		ene	
	- I -	1								•		
	-r					TOTAL:	966				ti	
Grid	766									9		
PV plant	0											tariff
Battery	8										s	
Other consumers	200	θ	8	0		200		e	9			
Consumer 1	0											
Consumer 2												
Consumer 3												
Consumer 5												
Consumer 6												
Consumer 7												
2nsumer 8		3									J	
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

HEMS Configurator v1.	.1.0										-	o ×
					Grid D-HI	PV plant			Unknown source			
		8	8	8		966						
						PLAN	SUM:		•			
						TOTAL:	966					
Grid	766					766		0	0			
12plant	0								8)		: + +
Statement of the second se												
Battery	0					9						
Other consumers	200					200						
Consumer 1	0				(0			0			
Consumer 2												
Consumer 3												
Consumer 4												
Consumer 6												
Consumer 7												
Consumer 8												

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.

🔯 HEMS Configurator v	1.1.0									- 🗆 ×
	(Grid LO			PV plant		Battery		Unknown source	energy [Wh]
					3212				21	
	t	1			TOTAL:	6789				timetable
Grid	2330				2092		223		15	
PV plant	61	19	8	0			41		1	
Battery	206								5	
Other consumers	4192									
Consumer 1	0								9	
Consumer 2										
Consumer 4										
Consumer 5										
Consumer 6										
Consumer 7		2								
Chisumer 8		<u> </u>								
Energy since: sun	00.00.0000	00:00:00								
4										
								5 res	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

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.

7/10

settings

Easy and intuitive system setup.

🔯 HEMS Configurato	r v1.1.0									- 🗆 X
System settings autodetect ✓ HEMS: c20172 (v1.1.0) ✓ eStore: c16853 × enable detect detect 1 × HIQ Home: c0 × enable										
SOURCES	icon	source manageme	ıt		meter	3133	new (levice		
Grid	Grid	✓ ок.	add	del	PM3-I-D	1				
PV plant	PV plant	✓ 0K.	add		PM1-E-D in					
		× 7			1					
Battery		✓ OK.			eStore					
		× 7			1					
Unknown source									setting	
CONSUMERS		consumer managem			meter		man.time	out mode	timetable	
Consumer 1	Wireless plug	✓ 0K.			SCM-WE	SCM-WE 0+			X	
Consumer 2		× /	add		1	QX1				
Consumer 3					1	QX2				
Consumer 4					1	QX3			X	
Consumer 5					1				X	
Consumer 6			add		1				×	
Consumer 7									×	
Consumer 8	Water boiler								×	
Uther consumers	Home									
Perman init pa d	nent memod mameters sau -press ☑ a	ry parameters ve parameters read parameter uutosave parameters	rs		5 backt	hb	restore			

1. System settings

[autodet	ect]	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	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" message is sent to server and roundtrip time is rechecked.					
[reset]	Clear messages counts and roundtrip time					
push timer	Timer in s for send "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	ource 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							
	Source power-se	nsor type							
meter	in/ex	Power plant connected ¹							
new device	Power-sensor cor configuration ²	nfigured as new one detected or wireless module							
Wireless setting	Setting up wirele	ss modules							
CONSUMERS	Consumer name								
icon	Consumer icon								
	Consumer meter and output management								
	message	Messages regarding consumer meter and output							
consumer	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	type							
atat	Consumer output	t type							
output	<<·>>	Setting repeater mode for wireless module ²							
man. time	Manged consume	er manual override timer							
out mode	Manged consume	er output mode (normal or inverted)							
timetable	Manged consume	er timetable execution enabled							
4. Permanent memo	ry parameters								
[init parameters]	Init all parameter	rs to default value							
[save parameters]	Save all paramet	ers to permanent memory							
[read parameters]	Read all parameters from permanent memory								
[] autosave	Parameters will be automatically saved to permanent memory in 15								
parameters	minutes after last parameter change								
5. Backup / Restore	to PC								
[backup]	Backup all parameters to PC								
[restore]	Restore all parameters from PC backup								

¹ only for the first power plant

² wireless setting must be enabled

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