

Commissioning optimizers in FusionHome APP



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1. Check the firmware version of inverter

Make sure the inverter has firmware version 317 or later. You can check the firmware version like below:

(F)	😰 की 🖌 66% 🖬 05:5	🖬 😫 ବି.4 66% 🖬 05:51 📓 👹 ବି.4 6	66% 🖬 05:51
<	Home page	Construction Const	
An alarm is raised	Click here to view the details.	Add/Delete device	
	*	Upgrade device Current version: V100R001C00SPC312	Upgrade
Device	Davis and internation	Energy control Battery upgrade	
Device into	Device maintenance	DC-to-DC converter Current version:	Upgrada
		Inverter ON/OFF Battery management system Current version:	opgrade
		Status:OFF - unexpected 0FF OFF Restore defaults	
Quick setting	Grid-connect config	Icear data	
		Ø Adjust total energy yield	
Comm config	Log mgmt	Restart Inverter status read successfully : OFF - unexpected OFF	

If the firmware is under 317 than ask service support to provide you the proper firmware.

2. Adding the optimizers

Step 1 – Device Maintenance Step 2 – Add/Delete device



No SIM 🗢 🛛 3	:06 PM 💿 💷	No SIM 🗢	3:06 PM	@ 💶
< Home •••		< Device maintenance		
An alarm is raised. Click here to view the details		+ Add/De	lete device	>
	335	1 Upgrad	e device	>
	*	(1) Perform	nance data	>
Device info	Device maintenance	Energy	control	>
		(B) IPS test	:	>
P	@	() Inverter	ON/OFF Current status:Standby - sunligh	
Quick setting Grid-conne	Grid-connection	Restore	defaults	
	paramotor configuration	🧭 Clear da	ata	
<u>●</u> (=		🟈 Adjust t	otal energy yield	
	4∰	🖄 Start au	dible and visual alarm self-chec	k
Communication configuration	Log management	() Restart		

Step 3 – Auto Search

Step 4 – Wait for all the optimizers to be detected

In the first 10 minutes the app will search for the optimizers in the background and then they'll be shown on your phone one by one.



No SIM 🗢	3:06 PM	@ 💷 ·	No SIM 1	중 3:27 PM	@ 💷
<	Add/Delete device	9		Add/Delete device	
Battery			Batter	у	
LG-RESU			LG-RESU		
Power meter			Power	meter	
GAVAZZI-EM111-D	IN AV8 1 X S1 X		GAVAZ	Tips	
Smart PV sa	rety box		Sma		
<u>*</u>			<u> </u>	12 Searching for optimizers	
Optimizer	∠ Manual config	Q Auto search	Opt	This should take about 20 minutes. Please wait.	arch
				Stop searching	

Step 5 - Rapid Shutdown check

When the search is finished a "Rapid Shutdown" check will be available.

To perform this check, the Safety box button needs to be pressed.

After the rapid shutdown is performed the entire string will reduce it's voltage to 0 in about 8s. The optimizers won't allow the PV panels to produce for 10 minutes after this function is used.



No SIM 🕈		•	No SIM 🗢	11:13 AM	•
<	Add/Delete device		<	Add/Delete device	
Batter	у		Battery		
+			+		
Power	meter		Power m	neter	
+	Tips		+	Rapid shutdown check	1
	12 Optimizer search is completed rapid shutdown?	. Enable	P	ress the rapid shutdown button on the safety box. 55s	
Opt		arch	Opt		arch
	No Y	es		Exit	

After the check is completed the button under the Safety box needs to be released.





3. Adding additional optimizers

If you want to add additional optimizers to your system go to: Maintenance→Add/Delete Device→Optimizers→Select designated string→Add Optimizer





4. PV Plant Overview

PV Modules can be monitored in real time



