

## Shelly integrations

**It's extremely easy to set up Shelly integrations in the Eleven app.**

Shelly power monitors and smart switches allow you to prevent your battery draining when your EV charger kicks in, monitor household loads, divert excess spare solar energy into an immersion heater and much more!

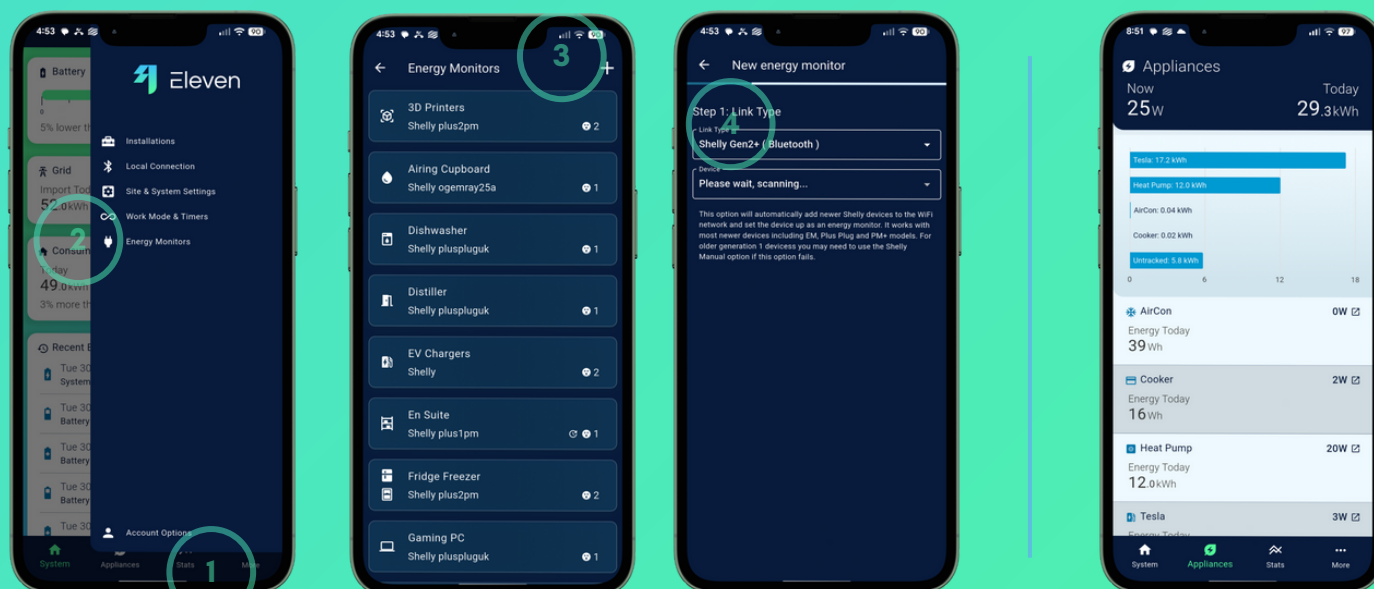


### Adding a Shelly device

Once the device is connected to power, simply open your Eleven app, navigate to 'More', click 'Energy Monitors', click the + icon and select Shelly Gen2+.

The app will search for nearby Shelly devices by bluetooth. Once you see your new device appear, click on it and it will be automatically provisioned with the local Wifi credentials so that the Shelly device is connected to the internet.

Then just tell the app the type of device you are monitoring or controlling and you're up and running. You'll see all your connected devices on the 'appliances' tab of the app.



# Load control

Use a **Shelly Mini 1PM GEN3 Smart Switch**, an **Ogemray 25A Smart Switch**, or a **Shelly Smart Plug** to control devices through the app.

The smart plug needs no wiring – simply plug in and connect to the app. The Ogemray 25A and Mini 1PM need to be connected inline in the wiring to the appliance.



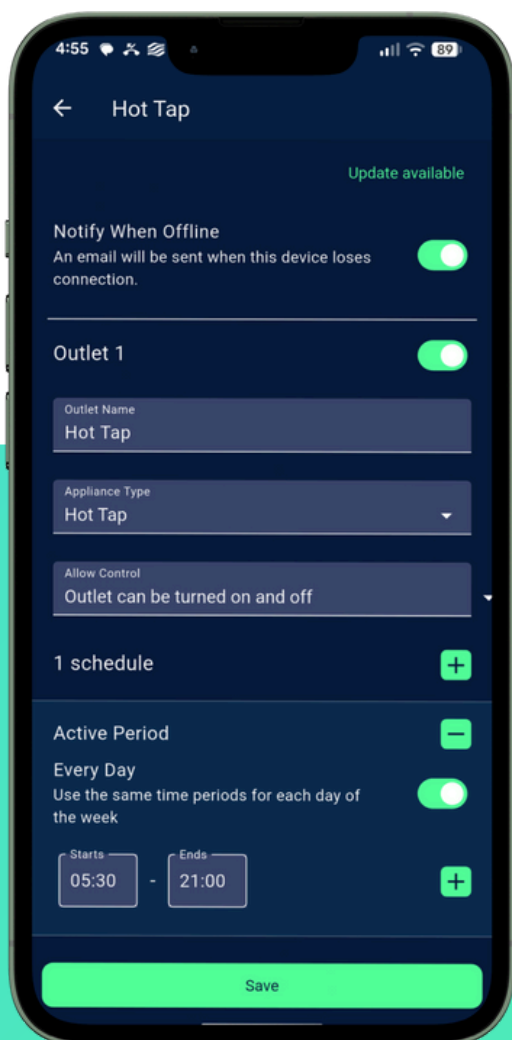
**Shelly Mini 1PM GEN3**  
Loads under 8A



**Ogemray 25A Smart Switch**  
Loads up to 25A



**Shelly Smart Plug**  
Loads up to 13A



## App setup

Give your appliance a name and choose the appliance type.

The app will detect that this is a smart switch and will give you the option of showing a toggle within the app to control the device.

You will also be able to set timed schedules for the appliance.

# Load monitoring

Use a **Shelly EM Gen3**, or **Shelly Pro EM-50**, or **Shelly Smart Plug** to monitor loads within the house.

For the smart plug, simply plug in and connect your appliance. For the EM or Pro EM connect to power and use the supplied CT clamps to measure current to the appliance.

The EM units are supplied with two CTs, and you will be given the option of monitoring two appliances.



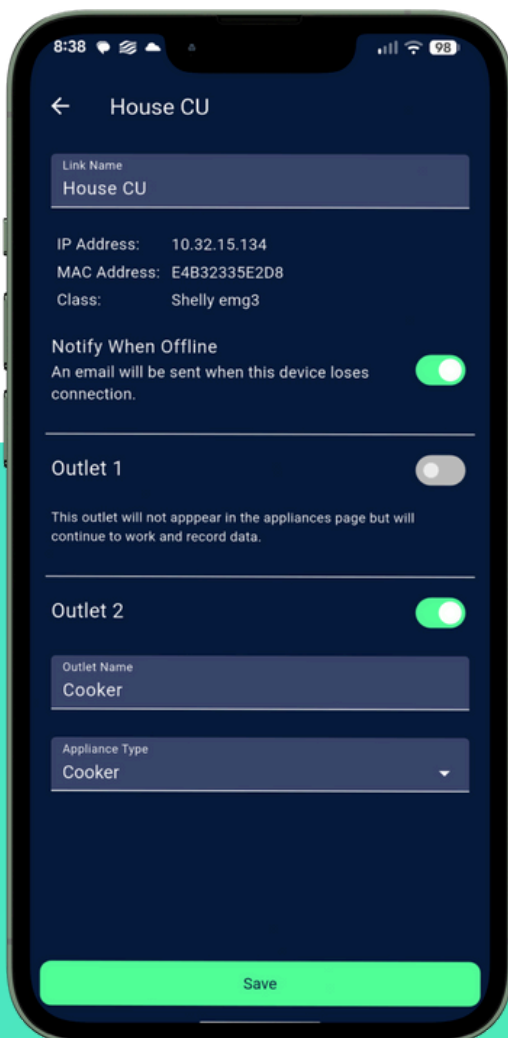
**Shelly EM GEN3**  
Hide within a junction box



**Shelly Pro EM-50**  
DIN rail mount



**Shelly Smart Plug**  
Anything with a plug



## App setup

Give each appliance a name and choose the appliance type. For Shelly EM units two outlets will be shown, one for each CT clamp. For Smart plugs only one outlet will be shown.

You will be able to monitor energy use for the appliance within the app.

# EV charger intelligence

Use a **Shelly EM Gen3** or **Shelly Pro EM-50** to monitor your EV charger.

Connect to power and fit the supplied CT clamp around the live wire to the EV charger.

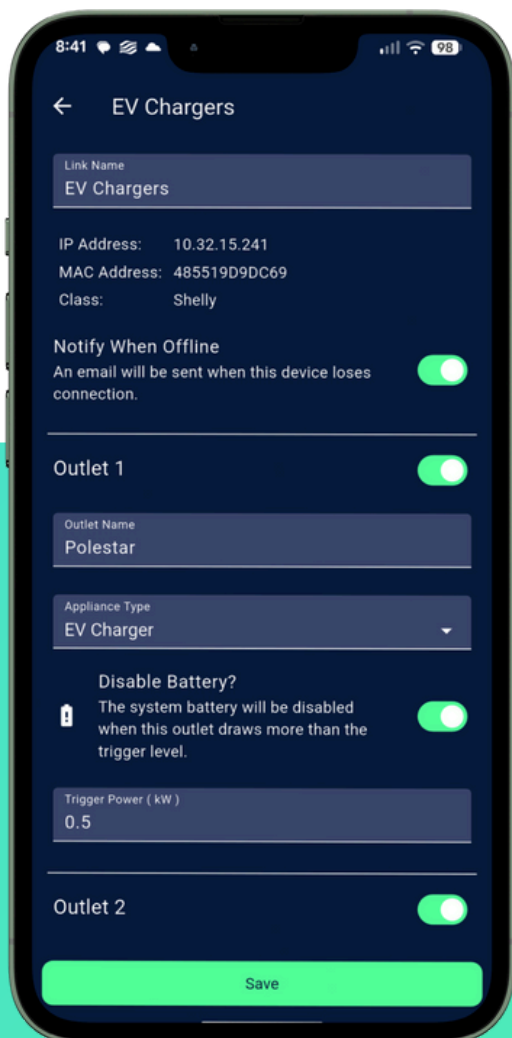
The Pro EM-50 has a LAN port if you wish to have a hard-wired connection rather than Wifi.



**Shelly EM Gen3**  
Hide within a junction box



**Shelly Pro EM-50**  
DIN rail mount



## App setup

Select the 'EV Charger' appliance type when connecting the device.

The app will present a control that disables discharge of your Eleven Energy battery when your car is being charged.

You will also be able to monitor energy used for charging.

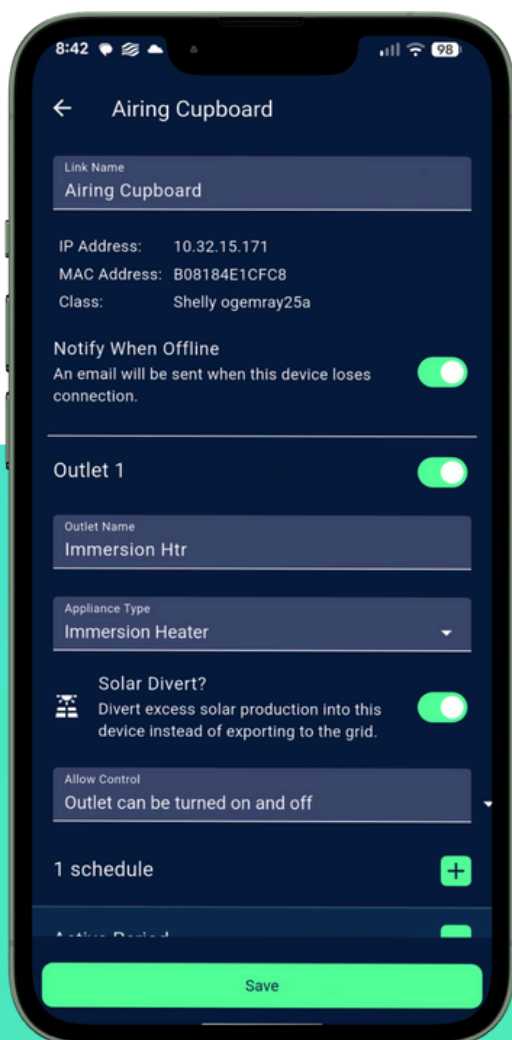
# Immersion control

Use an **Ogemray 25A smart switch** for immersion control.

Connect the smart switch inline between the immersion heater circuit breaker and the immersion heater.



**Ogemray 25A smart switch**  
Loads up to 25A



## App setup

Choose the 'immersion heater' appliance type.

The app will give you the option of showing a toggle within the app to control the immersion.

You will be able to set timed schedules for water heating.

You can also set this as a dump load for excess solar.

# Existing solar or wind installation

Use a **Shelly EM Gen3** or **Shelly Pro EM-50** to monitor an existing solar or wind inverter.

Connect to power and fit the supplied CT clamp around the live wire to the existing inverter. In order to measure this as generation, the arrow of the Shelly CT should point to the inverter.

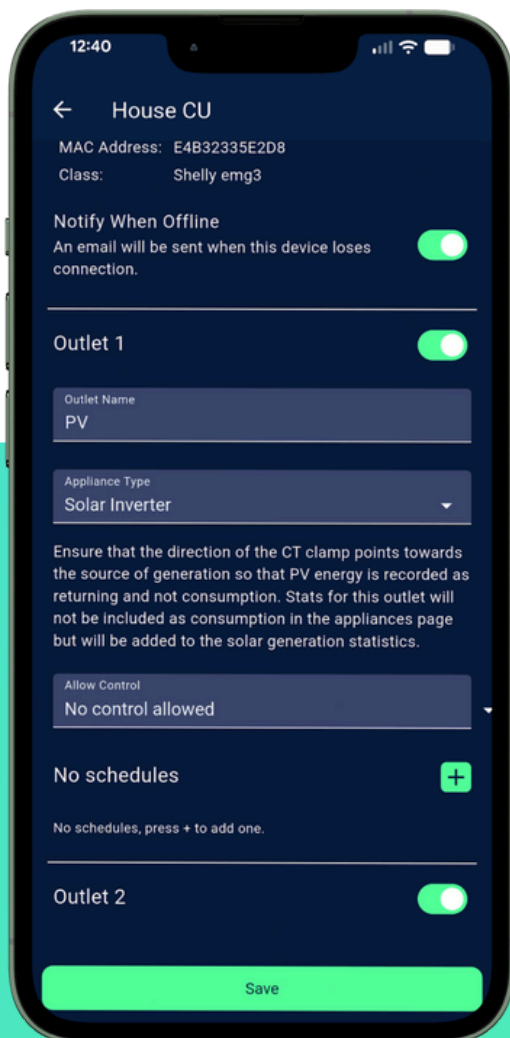
The Pro EM-50 has a LAN port if you wish to have a hard-wired connection rather than Wifi.



**Shelly EM Gen3**  
Hide within a junction box



**Shelly Pro EM-50**  
DIN rail mount



## App setup

Choose the 'Existing solar' appliance type.

Generation from the existing solar inverter will be displayed on the generation graphs and will be taken into account in energy consumption calculations.

## FAQ

### **Can I change the WiFi network that a device is connected to?**

You can reprogram the WiFi for an energy monitor by entering the 'add energy monitor' dialogue and selecting an existing monitor.

### **Can I remove or re-purpose an energy monitor?**

You can remove an energy monitor or smart switch by sliding it to the left in the Energy Monitors page. It should be powered off first. Once removed, you can add it again on a different appliance if you wish.

### **How do I replace an energy monitor?**

If an energy monitor is offline, entering its configuration reveals a "replace monitor" option - just follow the instructions. All previous configuration and usage stats are preserved, so you can easily replace or upgrade an old unit.

### **How are firmware updates from Shelley handled?**

When new firmware is available we show an upgrade option for all applicable devices in the Energy Monitors page, plus show an upgrade icon in the list. Just tap the icon and the firmware will be updated.

### **I've got a great idea that isn't supported.**

Let us know! We're proud of how versatile the Eleven Energy Management System is already, but we're always open to building out new features. Drop us a line and we'll see what we can do.



Eleven Energy Ltd is registered in England and Wales  
Company number 15930035

✉ [support@elevenenergy.co.uk](mailto:support@elevenenergy.co.uk)

☎ +44 3300 101107

🌐 [elevenenergy.co.uk](http://elevenenergy.co.uk)

