

# HA-EMS Integration

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HA-EMS is an energy management integration solution designed specifically for smart home scenarios, introduced within the Home Assistant platform.

## Install

Decompression plugin

All the files in the "ha\_ems" folder should be placed in:

/home-assistant installation directory/config/custom\_components/ha\_ems/

Place the folders in www:

/home-assistant installation directory/config/www/

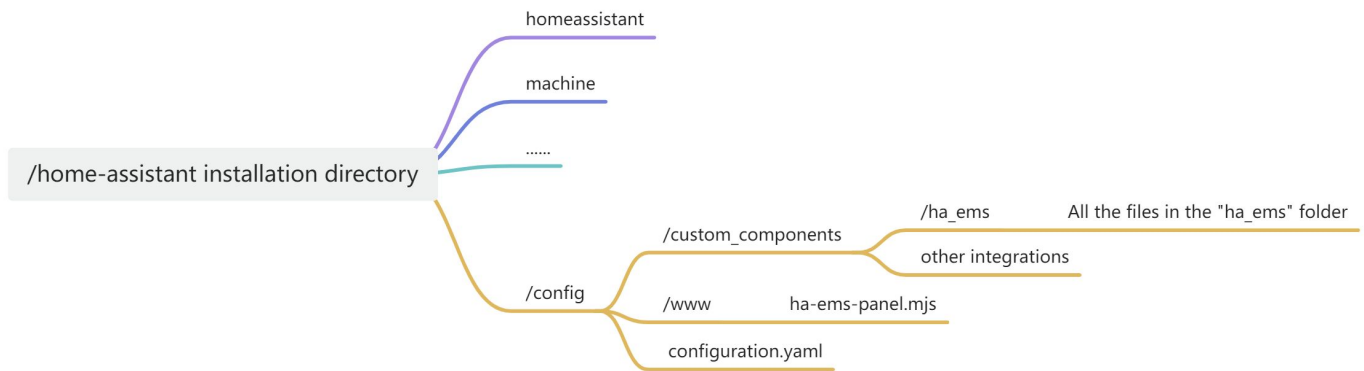
Modify the configuration file

/home-assistant installation directory/config/configuration.yaml

Complies with the content shown in the following figure

configuration.yaml content:

```
# Custom Panels
panel_custom:
  - name: ha-ems-panel
    sidebar_title: HA-EMS
    sidebar_icon: mdi:chart-donut
    module_url: /local/ha-ems-panel.mjs
```



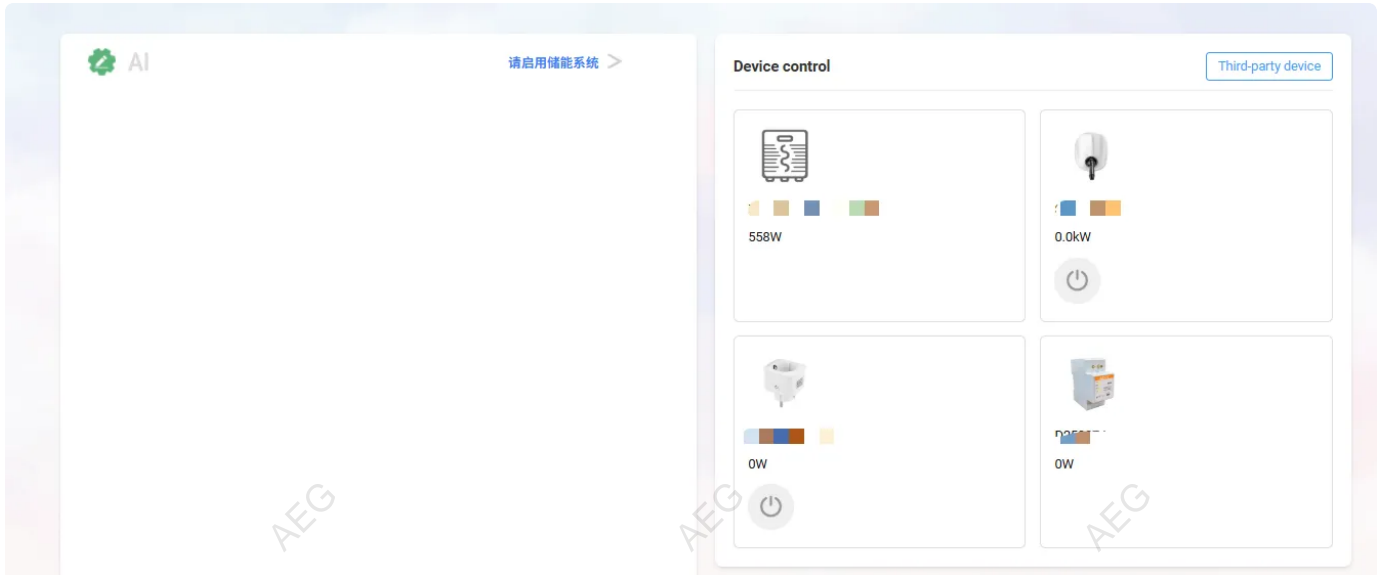
## configuration

Go to the settings page of Home Assistant --> Devices and Services --> Add Integration --> Search for "ha\_ems".


× 选择品牌或集成



According to the instructions, configure your account information on the app platform. Once completed, you can manage your energy devices and real-time home information in Home Assistant.



## Equipment information and parameter settings




26W

Discharging

91%

Battery SOC



43.4°C

Inv temperature

Information

Options

Status Information

<>

System Information

⌵

BMS version

V0.08

Collector Version


1.4.9.8.8

DSP Main Version

V6.90

DSP Library Version

V1.07




26W

Discharging

91%

Battery SOC



43.4°C

Inv temperature


Information

Options

System Settings

⌵


SN



Device Name

,11111 >

Regulatory mode



communication mode

TCP >

Master SN

Yes >

Local IP Address

192.168.1.114

## Select Energy Mode



### Smart Mode



Maximize automatic solar energy distribution

#### Advanced Settings

Automatically optimize the charge and discharge strategy of the energy storage system based on electricity price bands, photovoltaic power generation forecasts and load forecasts to achieve the lowest energy cost. >

### Custom Mode



Freely set power dispatch strategy

#### Settings

Customize charge and discharge time periods and power limits to meet special power needs. >

### Socket Mode



Control energy storage system power output by monitoring smart socket power consumption, can be used together with \"Custom Mode\"

#### Settings

Configure basic feed-in power and socket device control. >

Close All

## Smart Green Power Plan Parameter Settings



Feed-in Switch



AI Control 1.3



Set Electricity Price >

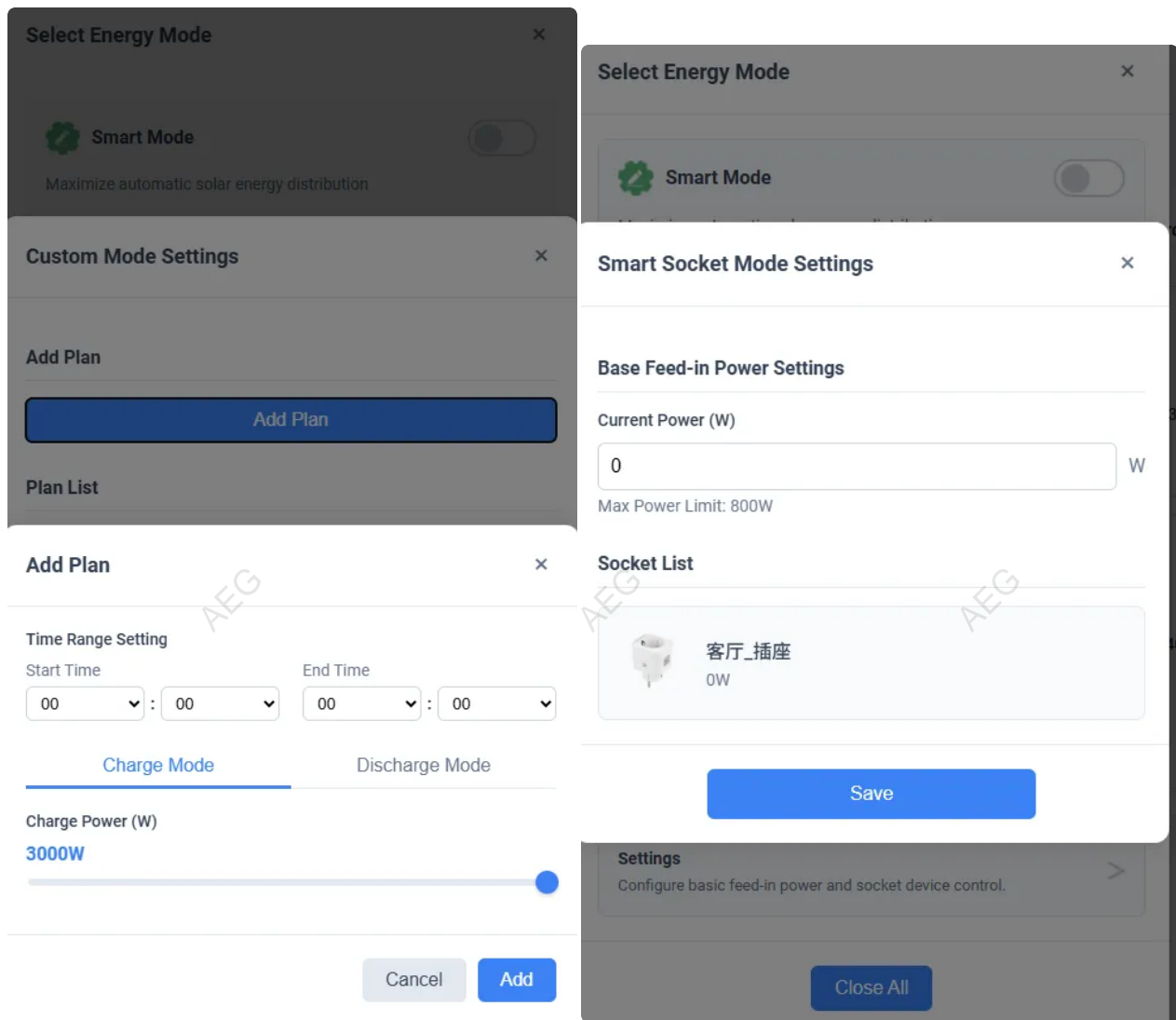
Energy Analysis >

Green Power Plan Boundary Parameters >



Cancel

Save



## Manage energy usage

# Data statistics of the day

Solar kWh

Load kWh

Grid kWh

Grid kWh

Bat kWh

Bat kWh

Income

## Power consumption statistics

Day

Month

Year

total



## Environmental benefits

0.00 t  
Deforestation

0.00 kg  
CO<sup>2</sup>

0.00 kg  
Coal

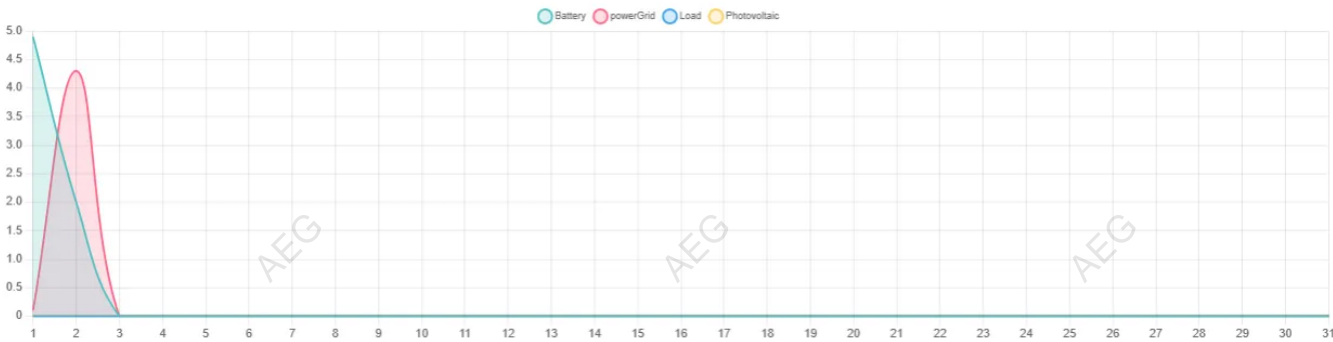
## Power consumption statistics

Day

Month

Year

total



## Environmental benefits

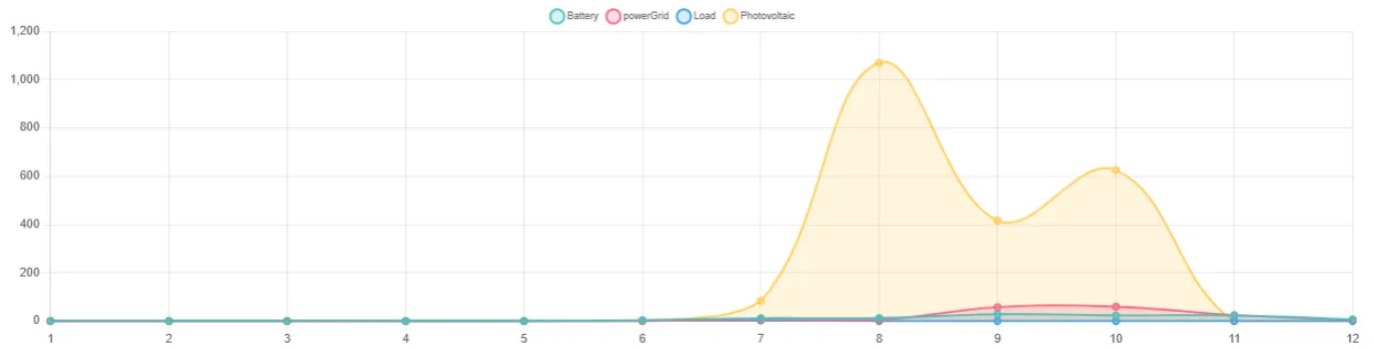
0.00 t  
Deforestation

0.00 kg  
CO<sup>2</sup>

0.00 kg  
Coal

### Power consumption statistics

Day Month Year **total**

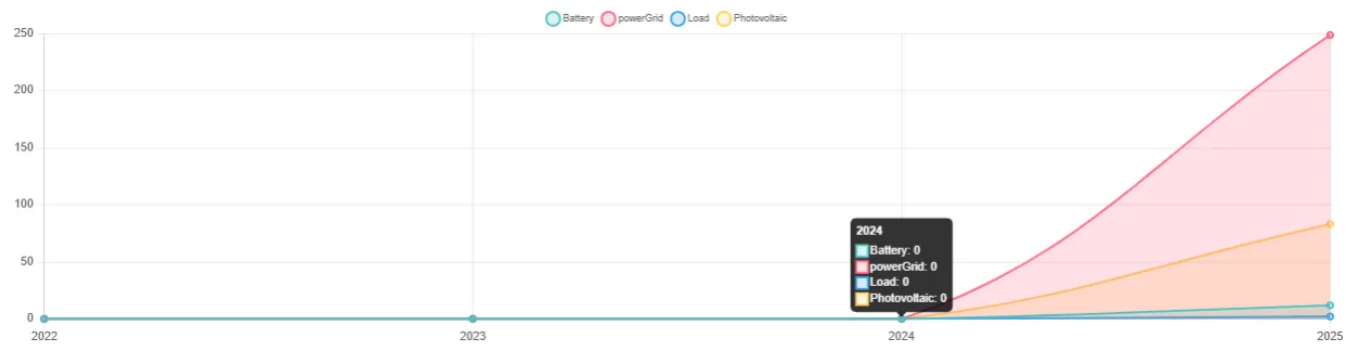


### Environmental benefits



### Power consumption statistics

Day Month Year **total**



### Environmental benefits

