



Solar / Battery Charging Optimisation for Home Assistant. This appDaemon application attempts to optimise charging and discharging of a home solar/battery system to minimise cost electricity cost on a daily basis using freely available solar forecast data from SolCast.



Home Assistant, an open-source home automation software, might just be the solution. This article will explore how integrating Home Assistant can streamline the management of your solar panels and battery systems.

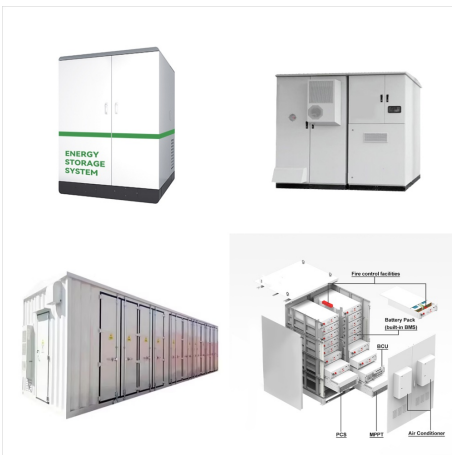


Automation - Rule table Step 1 - Navigate to power management. Open the power management section of your device by selecting the tab as displayed in the screenshot below. Step 2 - Create new automation. Scroll down to automation and select "Add automation". Step 3 - Select "Rule table", setting and conditions

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To use the Forecast.Solar integration, it will need some information about your solar panel system: latitude, longitude, declination, azimuth and total modules power. It needs the specific location (defined by latitude and longitude), which by default is taken from your Home Assistant configured "home" location.



Gain insight into your energy production by integrating your solar panels into Home Assistant. If you also set up the Solar Forecast integration, you will be able to see expected solar production and automate based on planned production.



Solar-Log The Solarlog integration Integrations connect and integrate Home Assistant with your devices, services, and more. uses the open JSON interface on Solar-Log PV monitoring systems to get details from your Solar-Log device and integrate these into your Home Assistant installation. With the integration you may monitor the solar power production and power ???

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Click Here to directly add a Solcast Solar integration or a. In Home Assistant, go to Settings -> Integrations b. Click + Add Integrations and select Solcast PV Forecast; Enter you Solcast API Key; Click Submit; Create your own automation to call the service `solcast_solar.update_forecasts` when you like it to call. Change the configuration options for an existing Solcast PV Forecast ???



The integration is able to work with Kiosk mode, or with a Northbound API / OpenAPI account, see below for more details. This integration is part of the default HACS repositories, so can add it directly from HACS or add this ???



I share with you a blueprint to control electric appliances that can be switched at any time (like boilers, heaters, pool treatment plants, ???) based on scheduling and solar electricity production in Home Assistant. Functions: Switch on and off the appliance based on scheduling. Switch on and off the appliance based on solar panels electricity production and house ???

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Home Assistant - Setup Introduction.

HomeAssistant is an open source project that allows you to monitor, control and automate various devices on a single platform. SolarAssistant integrates with HomeAssistant via MQTT automatic discovery. It allows you to turn on relays or control external devices based on inputs from your solar system.



Trigger: Solar production is over 4000w. Action: Activate state called "sunny" Trigger: Solar production is under 4000w for 60minutes Action: Deactivate state called "sunny" My question is: How do I create "sunny" state in Home Assistant as I wish to latch onto this state to a condition: WHEN "Sunny" is active AND "homeBattery



Having done a few automations for my solar & battery setup (Solax X1 Hybrid G4 (local & cloud API)) last year, I've set myself another challenge: Octopus Saving Sessions. What's important this year, we can also get rewarded for exported electricity rather than just reducing import. With that in mind, I successfully supported the first 4 sessions by manually ???

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This data is return by the IAMMETER-cloud API interface, the original data is the demo account in IAMMETER-cloud. As below link: Solar PV System - PowerMeter monitoring system. This data will be refreshed every 5 mins. This demo data can be used to testing for this solution. After you have been familiar with this solution, you can replace this data from API ???



Like many others I want to charge the Tesla based on available solar energy controlled by Home Assistant. What is good integration or what is a good automation script for this. My situation: Home Assistant installed and up and running, Tesla integration installed and working perfectly, Goodwe integration for solar power monitoring, working



Huge ask. I have no idea how to do this I'm wanting an automation that can do the below. Based on how much solar I sell back to grid during the day, will determine how much power I can use at night for my Ducted AC as that's the major power consumption when we go to bed. Do for Example Sold 32kWh Bought: 15kWh Left over: 17kwh So when I press my ???

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I've installed shelly temp sensors in solar panel, and hot water tank, and shelly actuator to turn the pump on, I also have a three way valve that will divert the solar circulation to UFH tank when the water for bathing temp is enough. all ???