HANCHU ESS Battery Storage System - **User Guide**

What Different Work Modes Are Available for Your EV Charger? – Web-Portal

Infinity Innovations | HANCHU ESS

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1. Introduction

Your Hanchu ESS EV charger comes with several "Work Modes" that allow you to control how and when your electric vehicle is charged. Choosing the right mode can help you save money, use more green energy, or simply ensure your car is always ready when you need it. This guide provides a step-by-step walkthrough of how to find these settings in the Hanchu ESS portal and offers a detailed explanation of each mode to help you decide which one is best for your needs.
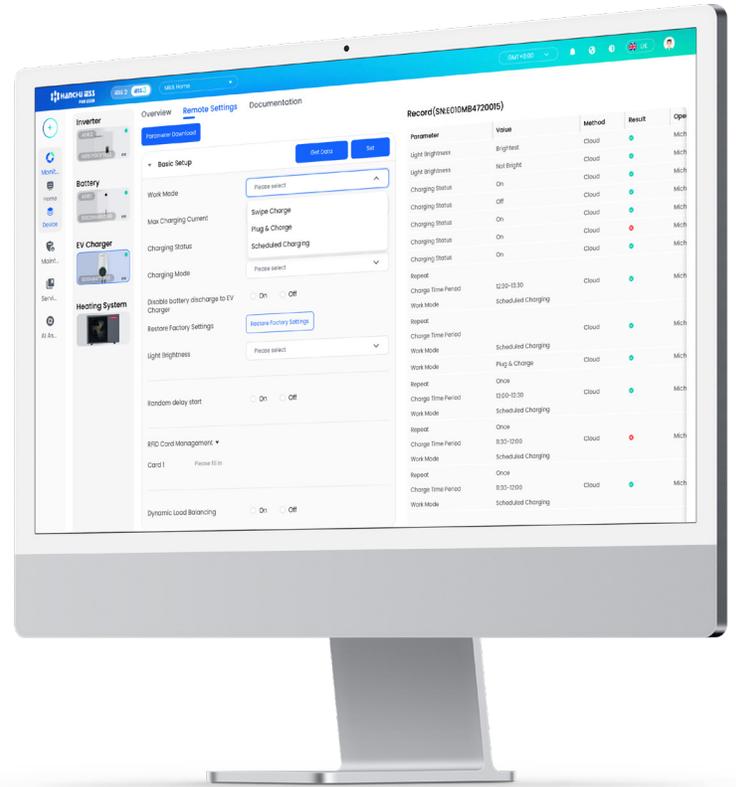
2. Step-by-Step Guide to Finding EV Charger Work Modes

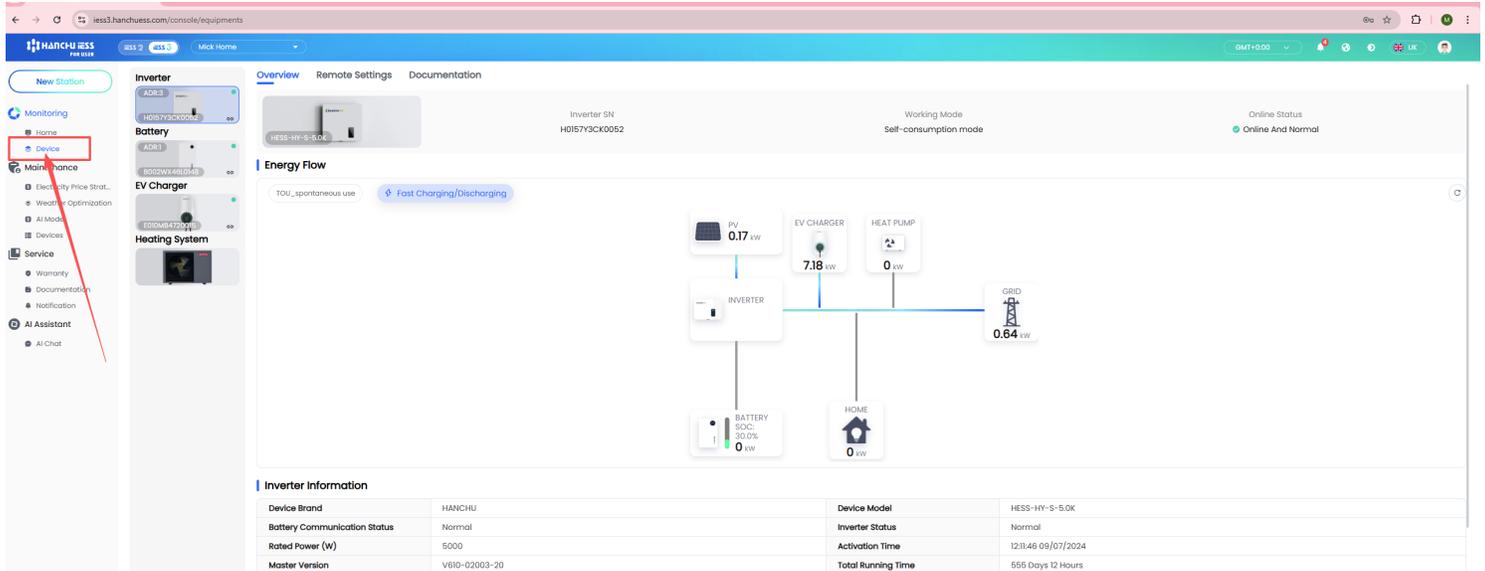### 2.1 Step 1: Log In to the Hanchu ESS Portal

Begin by accessing the Hanchu ESS web portal. Open your web browser and navigate to the portal URL. You will be presented with the login screen. Enter your **Account** (username) and **Password**, then click the **Sign In** button.

2. Step-by-Step Guide to Finding EV Charger Work Modes

2.2 Step 2: Navigate to Devices

From the main dashboard, locate the **Device** option in the left-hand sidebar menu. Click on **Device** to view a list of all components in your Hanchu ESS system.
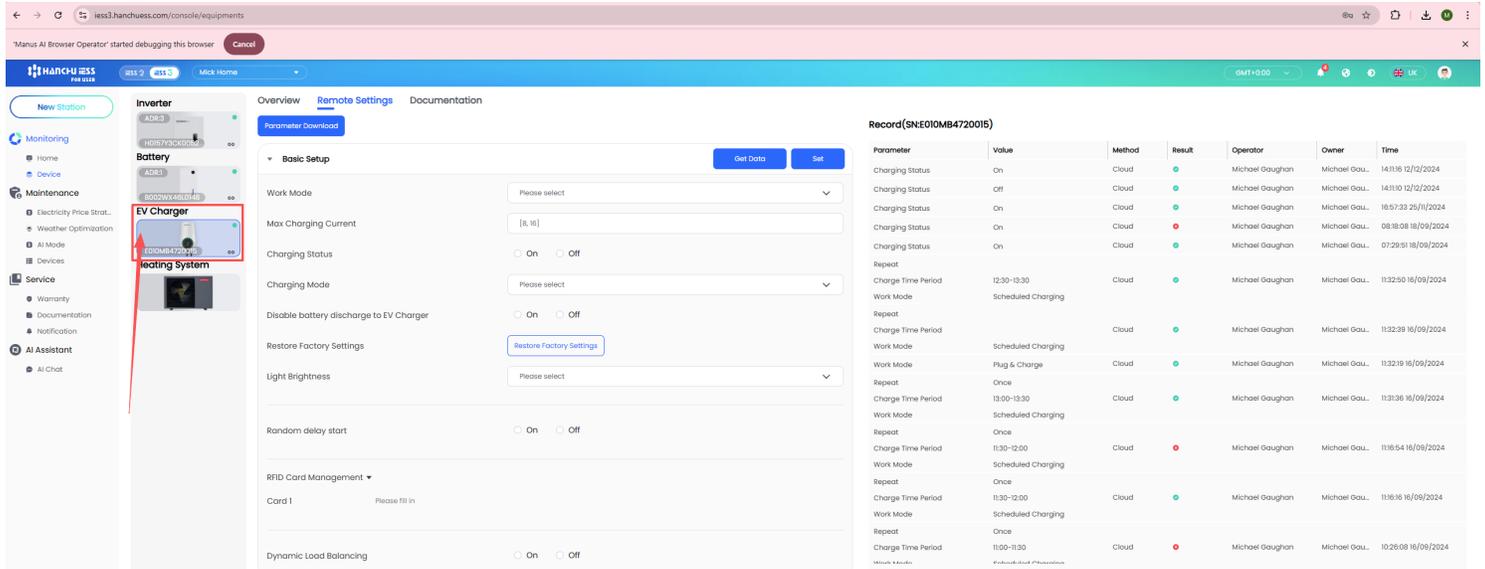
2. Step-by-Step Guide to Finding EV Charger Work Modes

2.3 Step 3: Select Your EV Charger

On the devices page, you will see a list of your installed Hanchu ESS components. Click on the **EV Charger** section to select it and view its specific details and settings.

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2.4 Step 4: Access Remote Settings

At the top of the EV Charger's detail page, click on the **Remote Settings** tab. This will take you to the remote configuration interface for your EV charger.

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2.5 Step 5: Locate the Work Mode Section

On the Remote Settings page, you will find the **Basic Setup** section. Here you will see the **Work Mode** dropdown menu, which contains all the available charging modes for your EV charger.
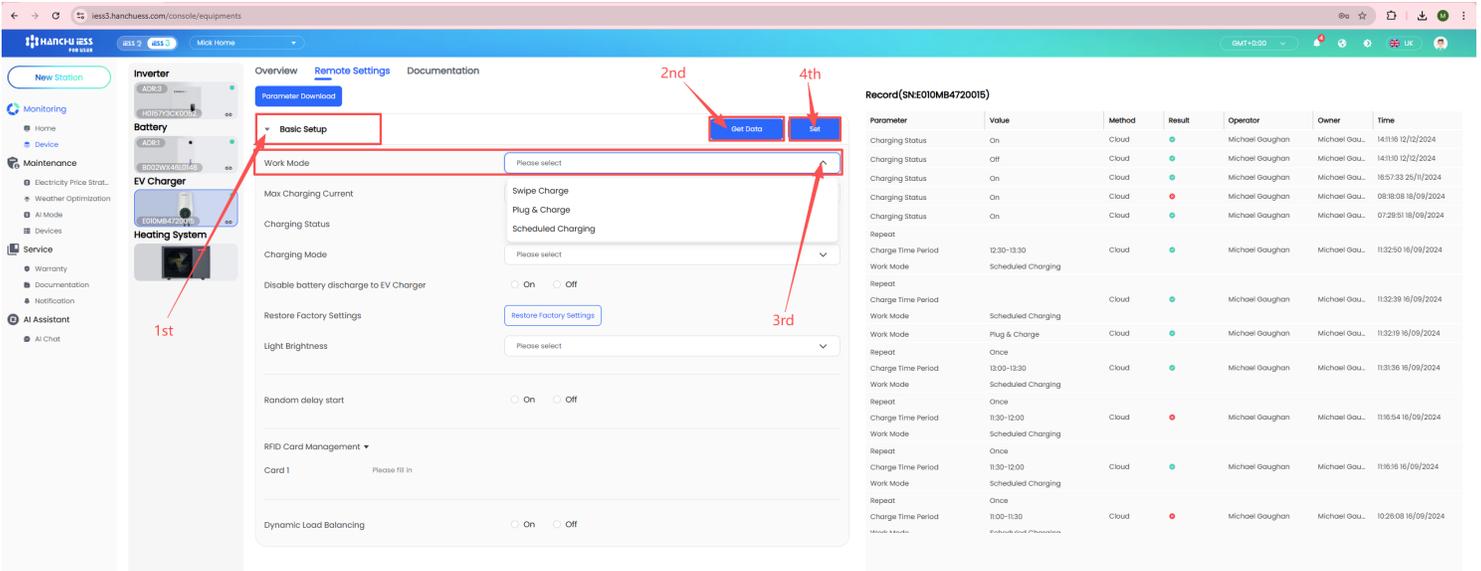
Example: Setting Times for Expensive Tariffs

If your electricity provider offers expensive rates from 5:00 PM to 7:00 PM, you would set:

Field	Value
Start time	17:00
End time	19:00

3. Detailed Descriptions of EV Charger Working Modes

3.1 Plug & Charge

Primary Goal: Simplicity and immediate charging

Best For: Users who want to start charging as soon as they plug in their vehicle, without any schedules or conditions.

How It Works: The charger will begin charging your vehicle at the maximum available power as soon as it is connected. There are no timers or conditions to manage. It's the most straightforward way to charge.

3.2 Scheduled Charging

Primary Goal: Cost savings by charging during off-peak hours

Best For: Users with Time-of-Use (TOU) electricity tariffs who want to avoid expensive peak electricity rates.

How It Works: You can set specific start and end times for charging. The charger will only operate during these pre-defined periods, allowing you to take advantage of cheaper electricity overnight.

3.3 Solar Only Mode

Primary Goal: Maximize the use of free, green solar energy

Best For: Environmentally conscious users with a solar panel system who want to charge their EV using 100% renewable energy.

How It Works: The charger intelligently monitors your solar panel production. It will only charge your vehicle when there is sufficient excess solar power being generated that is not being used by your home.

3.4 Hybrid Mode

Primary Goal: A balance between using solar energy and ensuring the vehicle is charged when you need it

Best For: Users who want to prioritize solar charging but need their EV ready by a certain time, even if it means using some power from the grid.

How It Works: The charger primarily uses excess solar power to charge your vehicle. However, if solar production is low, it will supplement with power from the grid to ensure your charging goals are met.

4. Important Notes

Changing Modes: You can switch between modes at any time through the portal. Remember to always click the Set button to apply your changes.

Mode Availability: The specific work modes available to you may depend on your Hanchu ESS system configuration and software version.

Consult Your Installer: If you are unsure which mode is best for you, your installation company can provide personalized advice based on your system and energy habits.

5. Need Help?

If you have questions about your EV charger's work modes or need help with configuration, please contact your installation company for technical support.