



Micro Energy Storage

Release Notes

MS-A2/HiBattery 1920 AC

Issue Date: 11.03.2025

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1 Overview

This release introduces new capabilities and visual enhancements for the HiBattery 1920 AC and MS-A2. These improvements enhance scalability, usability, and monitoring experience for home energy users.

2 Firmware and Software Versions Included in This Release

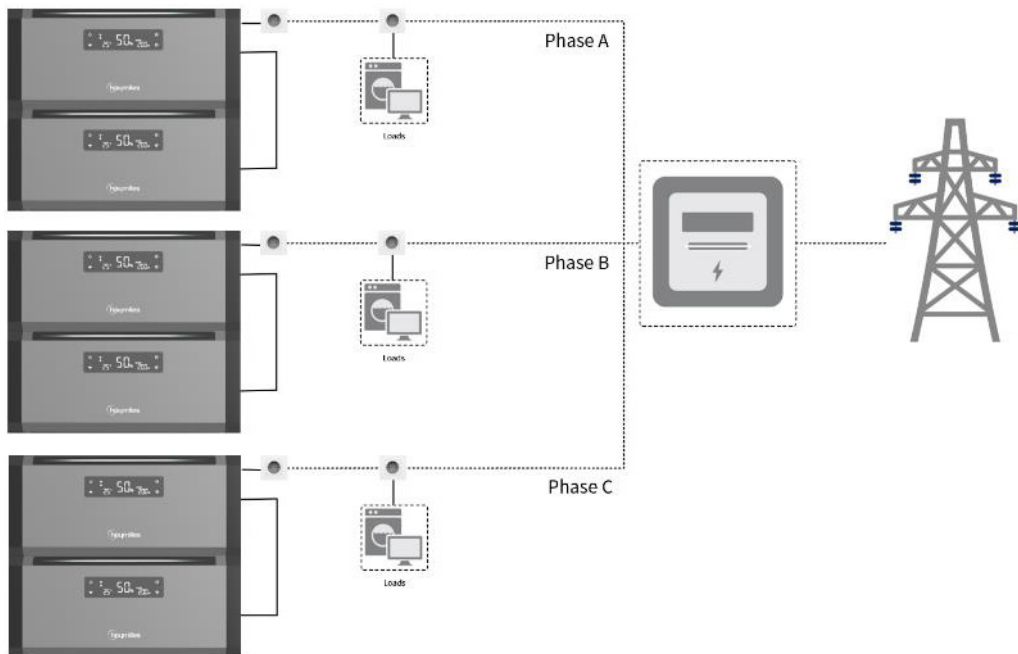
Item	HiBattery 1920 AC	MS-A2-FX
Communication Module	V01.01.04	V01.05.14
Inverter	V01.01.03	V01.05.06
BMS	V01.00.01.04	V1.113.0
LED	V00.00.06	—

Related Product	S-Miles Home App
Recommended Version	V2.4.0
Compatibility	This and later versions

3 What's New

3.1 Scalable Energy System

You can now connect up to **six** HiBattery AC units to create a single, coordinated home energy system. All units within the system communicate and operate collaboratively to optimize power distribution and efficiency. The system is designed in a **3x2** configuration — two units per string, with three strings in total.



⚠ Safety Tip

For safety, connect each battery pair to a different phase. Note that if you add more than two HiBattery AC units to a system, the off-grid ports on the HiBattery AC will no longer support microinverters.

Configuration Procedure in the App

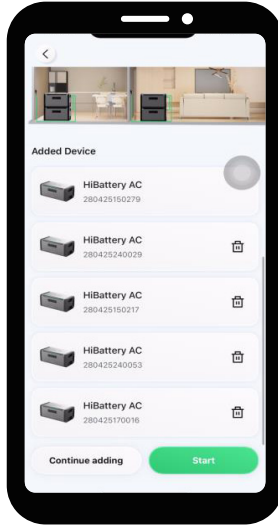
Step 1: Ensure all devices are connected to the same Wi-Fi network.

Step 2: Tap Start to automatically form the network.

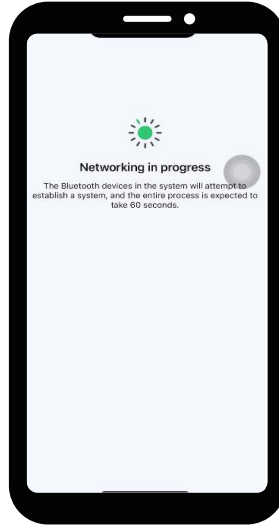
Step 3: Configure each unit's phase to balance the system.



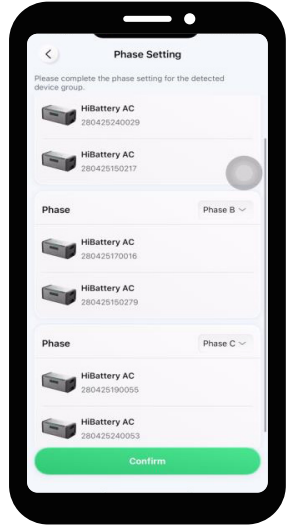
Step 1



Step 2



Step 3



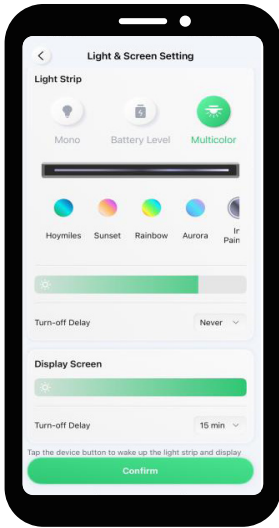
System Monitoring

Once configured, you can check the overall system status in real time — helping you quickly verify proper operation.



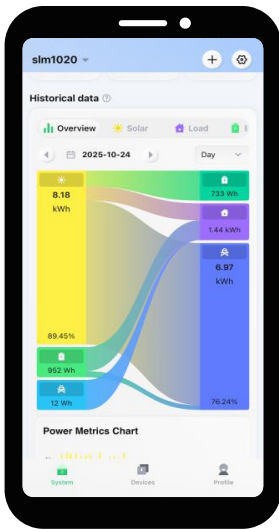
3.2 Improved LED Display

The HiBattery AC LED interface now supports multi-color mode, allowing up to 10 sets with ten different theme options.



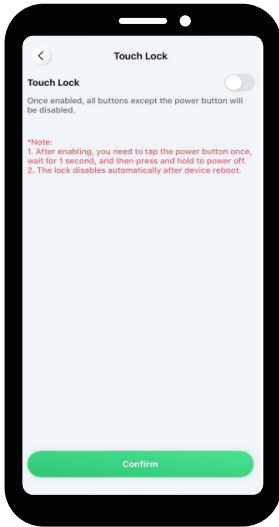
3.3 Improved Power Flow Visibility

The Historical Data page now includes a Sankey diagram for HiBattery AC and MS-A2 systems. This provides a clear visual flow of energy production, consumption, and storage — helping you better understand how your system uses power.

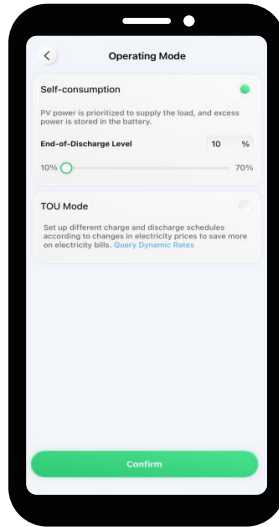


3.4 Other Improvements

- Added a display lock option to prevent unintended changes in HiBattery AC settings.
- Adjusting the End-of-Discharge Level adjustment range (10%–70%) in Self-consumption Mode, giving you more control over battery usage and discharge depth.



Touch Lock



Self Consumption Mode