

## Micro Energy Storage

# Release Notes

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MS-A2

Issue Date: 05.06.2025

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## 1. Product Information

### 1.1 Product Version

Product Name	Micro Energy Storage
Product Model	MS-A2-FX
Communication Module Version	V01.05.03
Inverter Version	V01.05.06
BMS Version	V1.1.13.0

### 1.2 Related Product Version

Related Product	APP
Product Name	S-Miles Home
Recommended Version	V2.1.0
Matching Relationship	This and later version

## 2. New features in this version

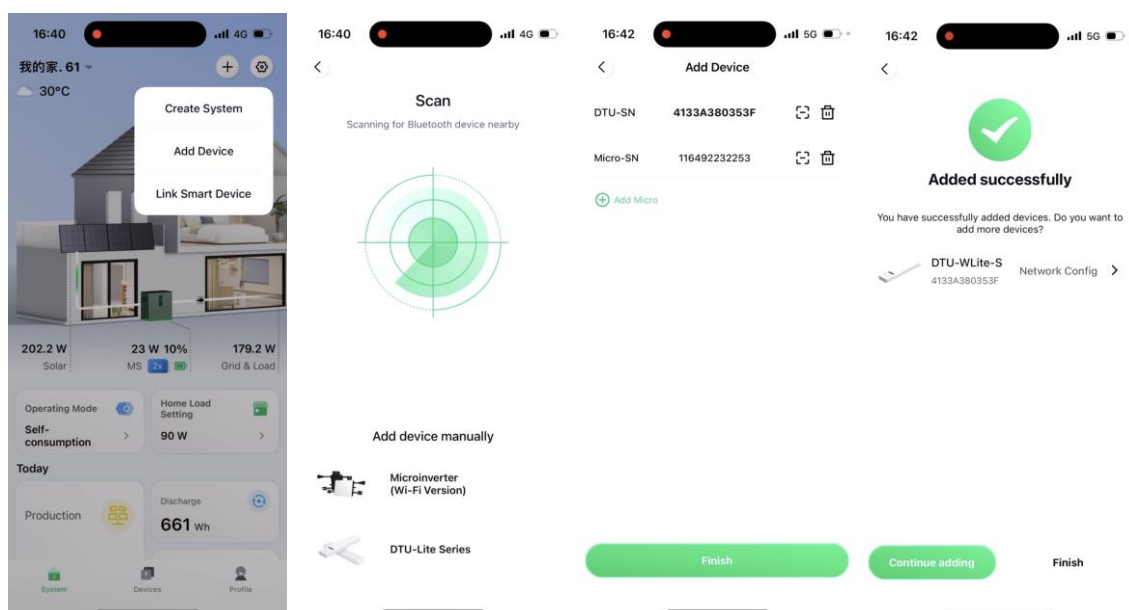
2.1 Supports MS-A2 and DTU-Lite series/WiFi Series microinverter to form a system.

The DTU-Lite series (including the connected microinverters) and WiFi built-in microinverters can be added to a system with the MS-A2, and the system will automatically recognize the electrical connections between the devices, thus displaying a more detailed and accurate power flow on the first page of the system.

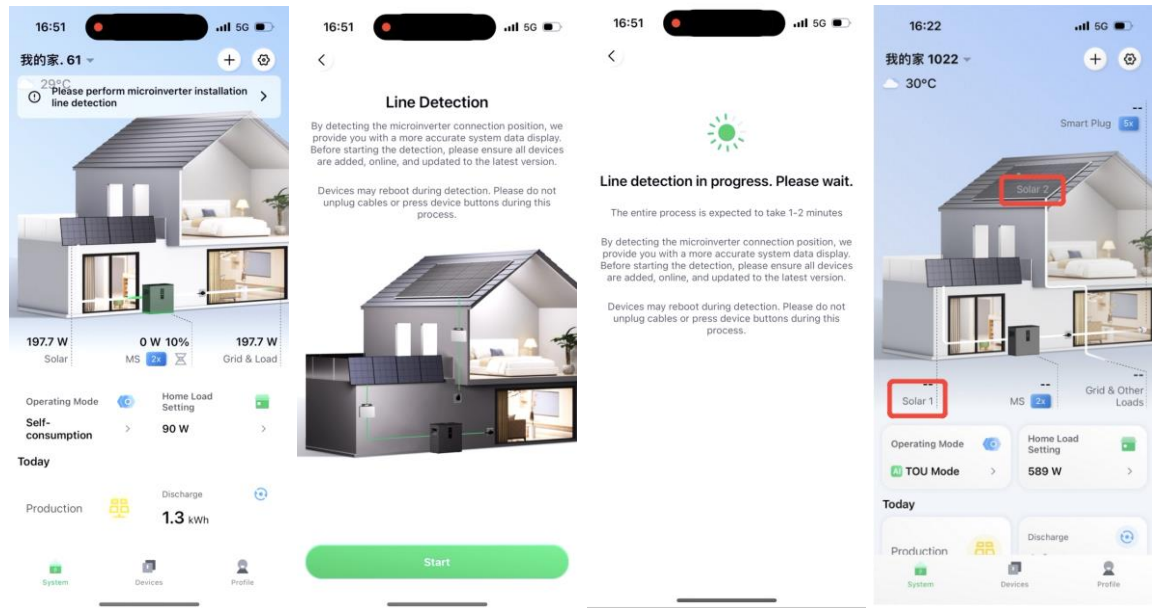
*Related device model:*

- DTU-Lite/DTU-Lite-S/DTU-WiFi/DTU-WiFi-S
  - HMS-300&350&400&450&500-1T
  - HMS-600&700&800&900&1000-2T
  - HM-300&350&400&600&700&800&1200&1500
- WiFi integrated microinverter: HMS-300&350&400&450&500W-1T/HMS-600/700/800/900/1000W-2T

#### 2.1.1 Add DTU/Microinverter devices to MS-A2 system



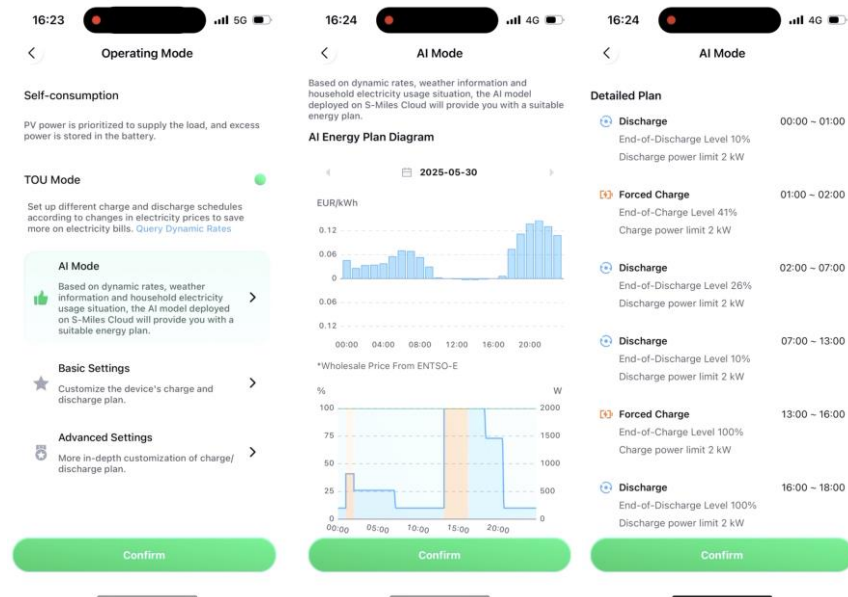
## 2.1.2 Electricity Line Detection



*Notes: Solar 1 refers the power of microinverter which direct connected to AC Off-Grid Port of MS-A2; Solar 2 refers the power of microinverter which linked to MS-A2 through the home grid.*

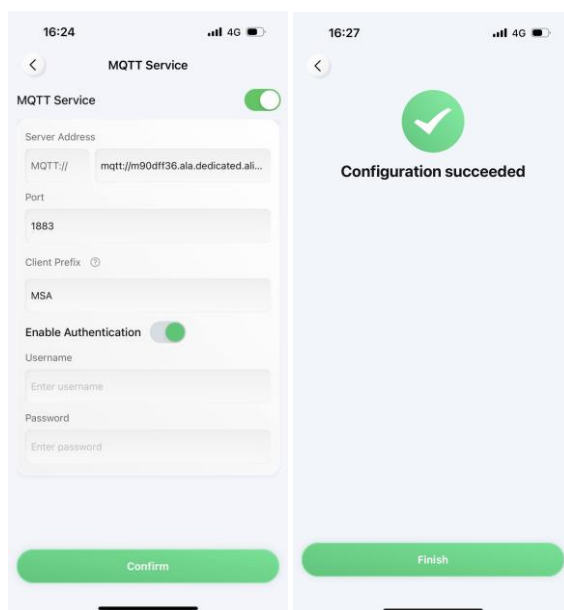
## 2.2 AI integrated TOU Mode.

Based on the daily dynamic electricity price data (from ENTSO-E), daily weather information (from <https://open-meteo.com/> for PV generation forecast), and historical data of household load consumption, the daily household energy plan is automatically generated and updated by the AI model deployed on the S-Miles Cloud platform.



## 2.3 Supports MQTT configuration.

MS-A2 has opened its MQTT protocol, allowing users to configure it to third-party platforms to support data capture and power control of MS-A2.



Notes: MQTT configuration guide will be available soon and can be found at Help Center - Q&A

## 3. Other Improvements

- 1) S-Miles Home optimization – supports Dark Mode
- 2) Environmental Benefits in the system interface

