



Guide for PCS Internet-Connected Meter

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1. Introduction

1.1 What is EMA Manager

EMA Manager is a one-stop application specially made for APsystems registered professional solar installers. The content of the EMA Manager is the APP version of features available in installer account via the web portal.

The EMA Manager APP will allow installers to register end-users, new PV systems, monitor performance and ensure easy access to all key data without having to log into their laptop.

1.2 About this Guide

This document covers Internet-connected meters, focusing primarily on the usage of Shelly brand meters.

1.3 Need to Know

To ensure the internet-connected meter operates properly and is configurable, verify its normal operation and correct wiring. Additionally, confirm the device is compatible with this function and functions normally..

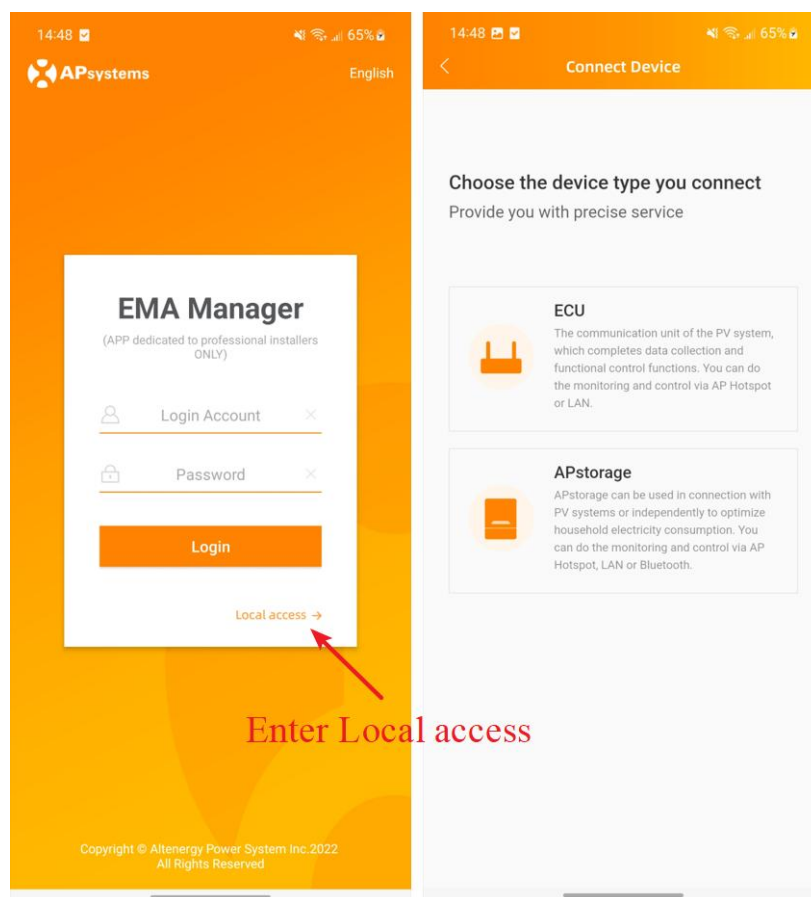
2. Local Access: Connect Device

The APstorage PCS has been designed with local connection and management functionality. You can access this local functionality through EMA Manager.

2.1 Connect Device

Click “**Local access**” to connect.

On the [Connect Device] page, you can see two entrances for connecting devices, which respectively correspond to devices of ECU and devices of APstorage. Here, we will mainly explain how to connect the APstorage devices.

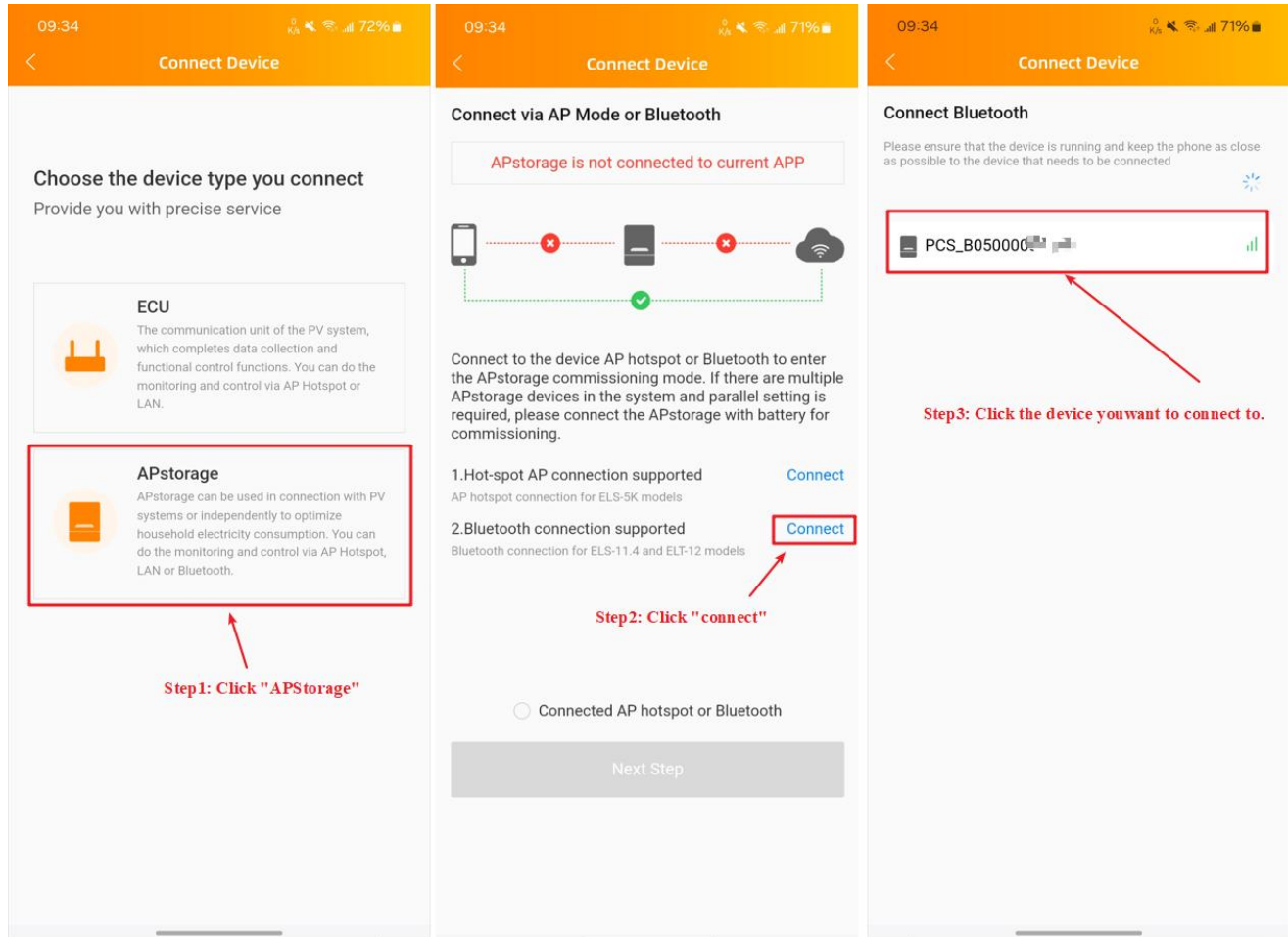


2.1.1 Bluetooth connection supported

- Step 1: Click “**APstorage**”.
- Step 2: Click “**Connect**” as indicated in the picture to enter the device's Bluetooth list.

- Step 3: Choose and connect to the Bluetooth of the APStorage PCS, the format of the Bluetooth is PCS_BXXXXXXX, BXXXXXXX being the device UID.
- Step 4: Wait for the device connection status to be updated, and you will find a prompt indicating a successful connection on the page. After that, check the option **“Connected AP hotspot or Bluetooth”** and then you can click **“Next Step”** proceed to the next setting.

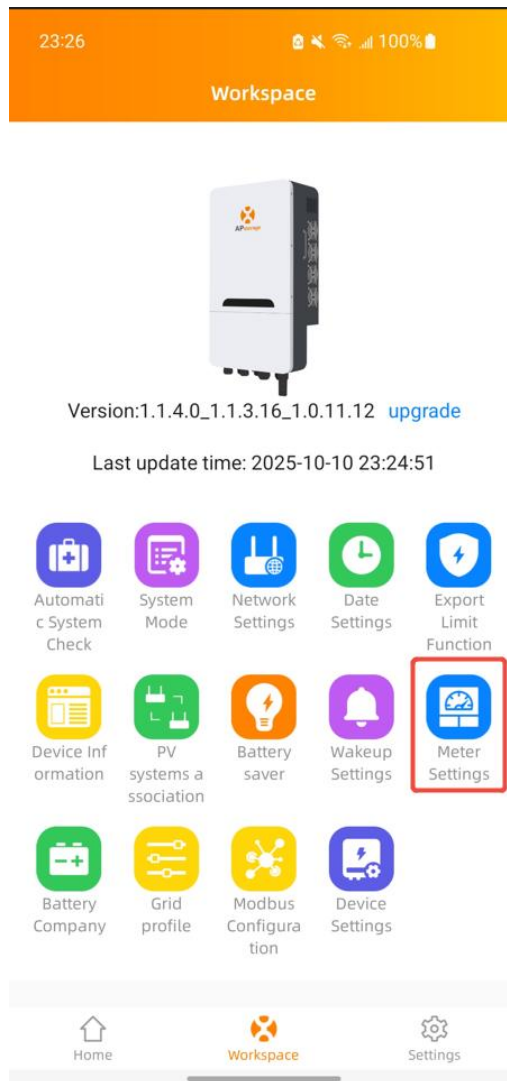
Note: If the device fails to connect, please check whether the device is working properly and then repeat step 2.



3. Meter Settings

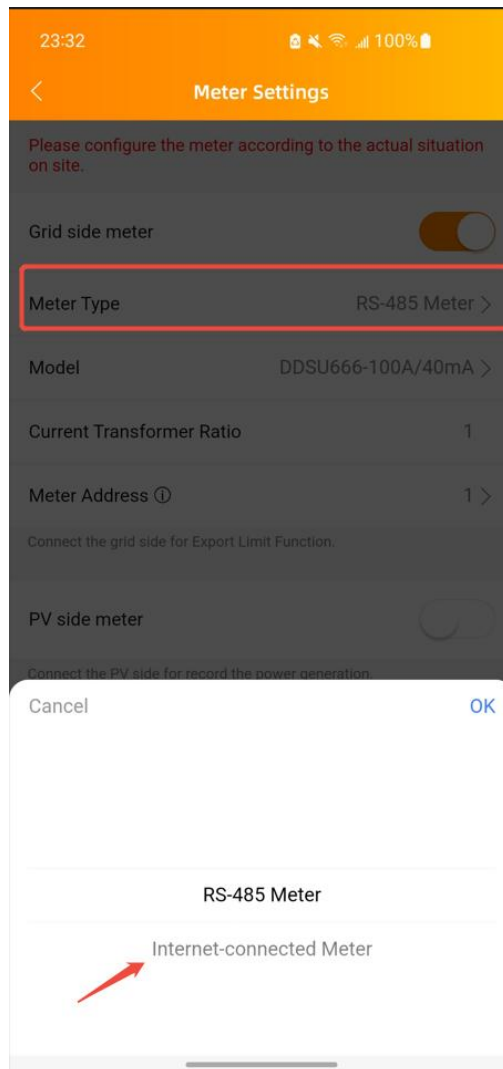
3.1 Where to Configure the Electric Meter?

If supported, after successfully connecting directly to the energy storage device locally, you will find the “**Meter Settings**” function entry on the [Workspace] page.



3.2 How to Configure Internet-Connected Meter Info?

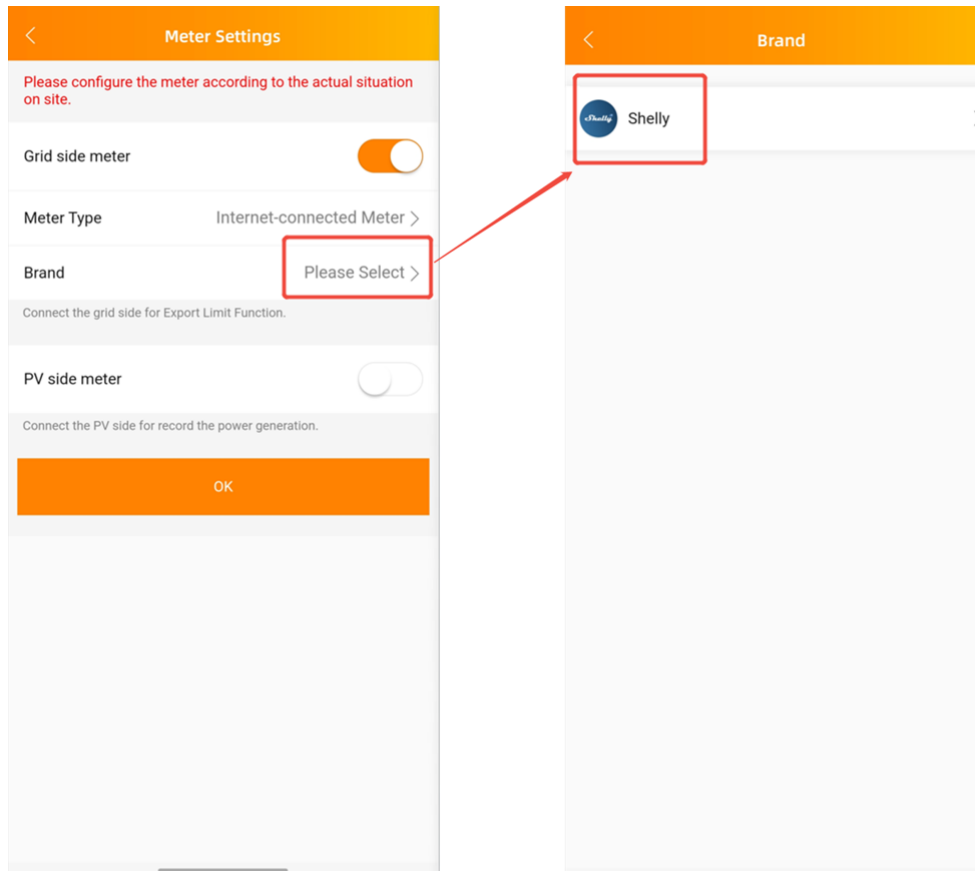
You'll see an option for it when your energy storage device supports internet-connected meters.



3.3 Shelly Meter Access Configuration

3.1.1 Select Shelly Meter Option

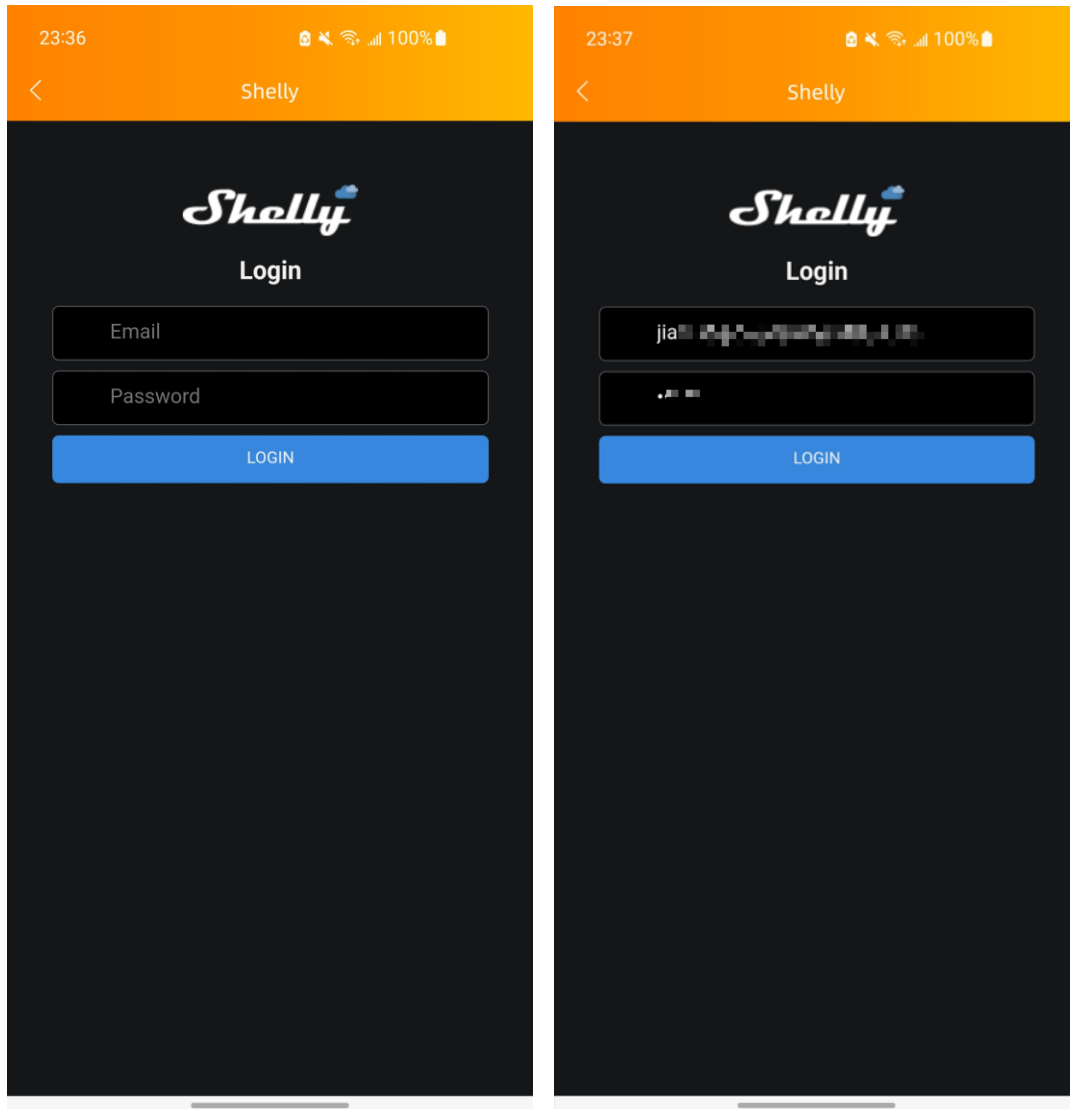
Similarly, the brand name appears in this list only if the device supports Shelly brand meters integration.



3.1.2 Authorized Account Login

Enter the account information linked to your electricity meter on the account login page shown in the figure.

Note: If you don't have an account, register one on the Shelly Smart Control app and bind your electricity meter. For details, refer to the brand's manual or contact them.

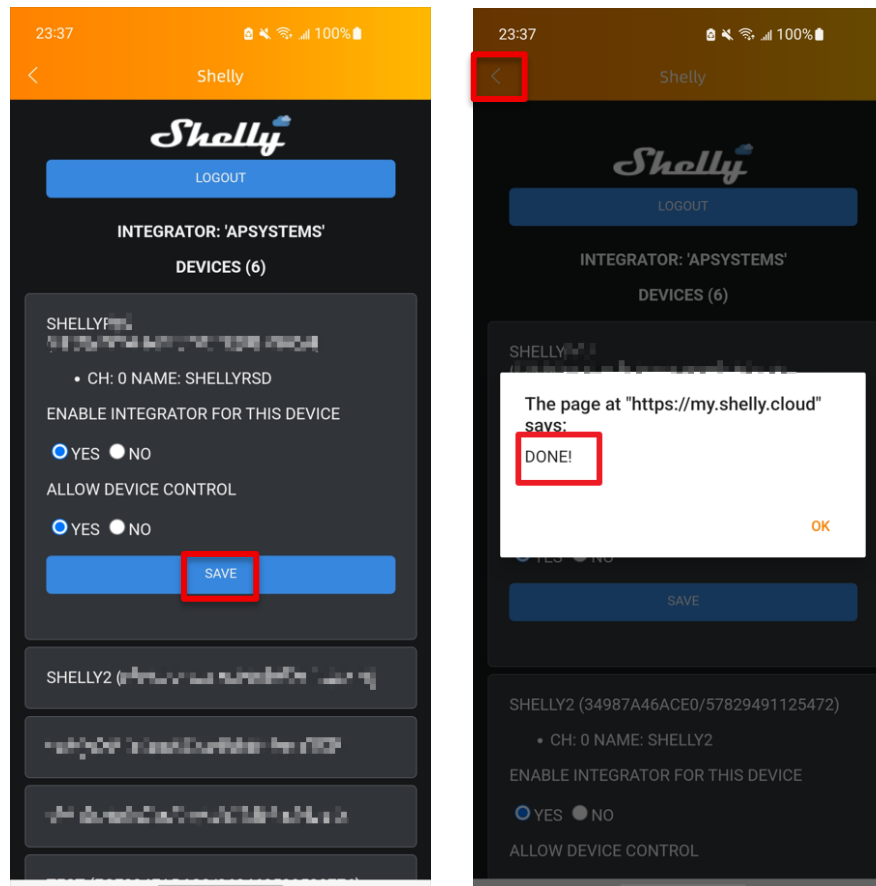


3.1.3 Select Access Device

After successful account login, you will see the bound device information under the account.

Step 1: Select the meter you want to connect to the energy storage device from the list.

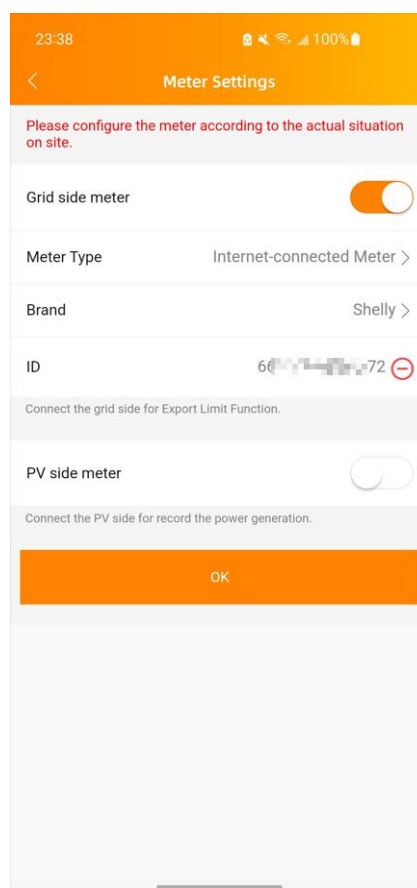
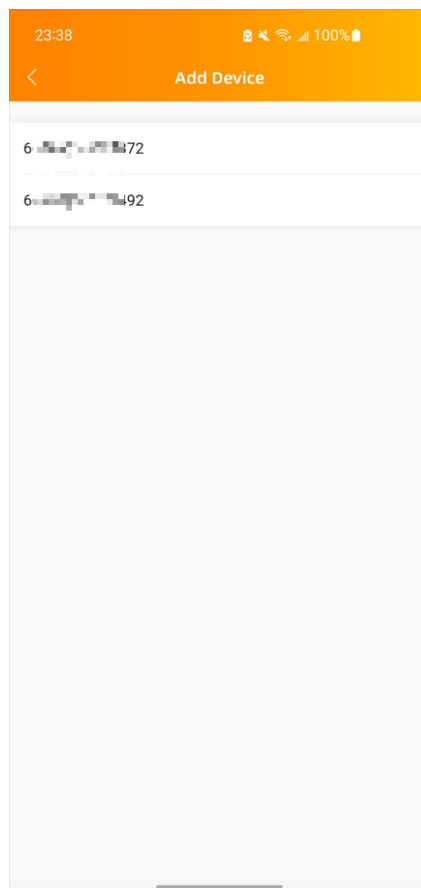
Step 2: Click **"Save"**, wait for the page response. On success, a pop-up appears with **"DONE!"** in it, which means the device is granted access.



Step 3: Click the back button in the top-left corner to return to the **[Add Device]** page.

Step 4: Select the meter and complete meter settings.

Step 5: Finally, click **"OK"** to send down your meter settings.



Note

- ◆ If you've authorized your account and device (with the info still retained), select the device to connect directly on the **[Add Device]** page.

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