BLUETTI | TECHNOLOGY PIONEER IN CLEAN ENERGY

Balcony Solar System
Balco 260

QUICK START GUIDE

V1.1



APP

Support Center

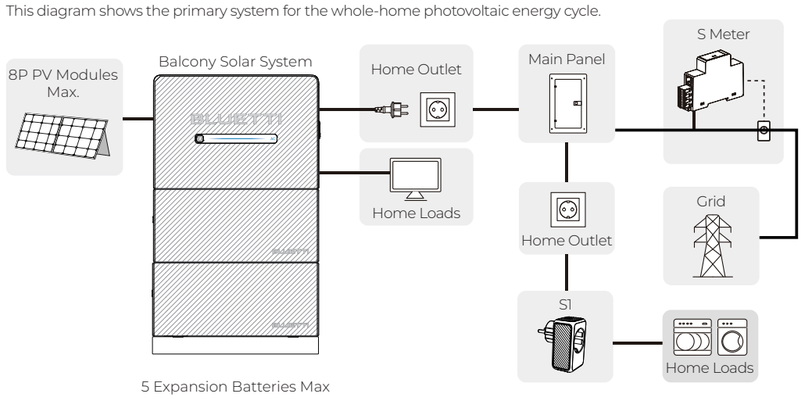
⚠ Tips

- Charge the unit before first use.
- If not used for more than 3 months, charge the unit to 40%-60% SoC and store it with the power off. For optimum battery life, discharge and charge the unit every 3 months.

For the best experience and performance, fully charge your unit and update to the latest firmware before first use.
https://support.bluettipower.com

1 System Overview

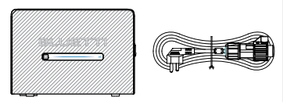
This diagram shows the primary system for the whole-home photovoltaic energy cycle.



5 Expansion Batteries Max

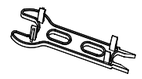
2 What's in the Box

In the Balcony Box



Balco 260

AC Cable

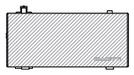


Wrench for Removing PV Connectors



Documents

In the Expansion Battery

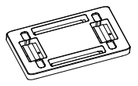


BC260 Expansion Battery



Documents

Optional Accessories



Base

Wall Mount Kit (In the Balcony Box and Expansion Battery Box)



L-Shape Wall Mount Fitting



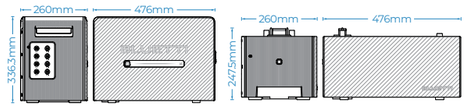
Expansion Screw (M8×60 mm)



Screw (M5×10mm)

3 Installation

⚠ ·Do not place the equipment near an area exposed to direct sunlight, fire, or explosive materials.
·Ensure the Balcony Solar System is powered OFF during installation.



About 28kg About 25kg

1 Prepare Tools (Not Included)



Socket wrench set



Cross screwdriver



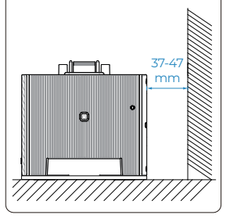
Hammer



Power Drill (Drill Bit:8mm)

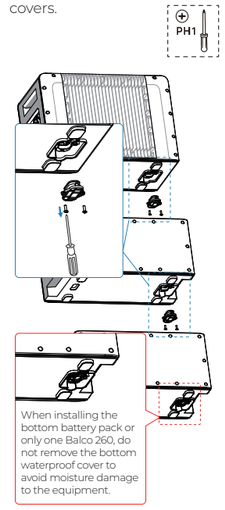
2 Place the Bottom Expansion Battery

·Within Wi-Fi coverage for Balco 260 to connect to the network.
·37 to 47 mm away from the wall.



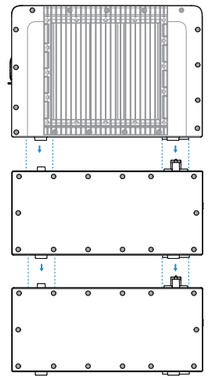
3 Remove the Waterproof Cover

Unfasten screws (if applicable) and pry open the the bottom waterproof covers.



4 Stack Up with Balco 260 at the Top

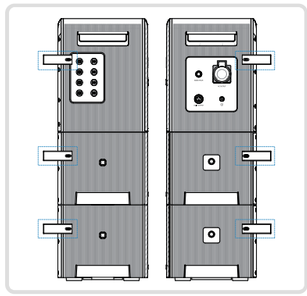
Stack expansion batteries in sequence with Balco 260 at the top.

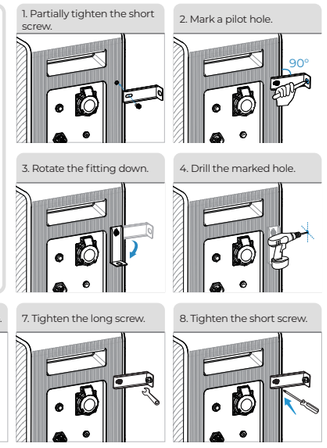


5 Install the Wall Mount Kit

Stack expansion batteries in sequence with Balco 260 at the top..

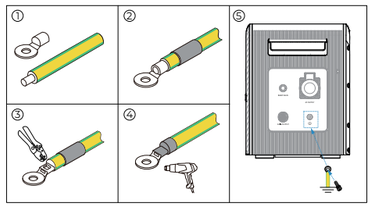




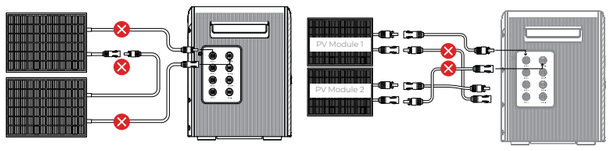


4 Electrical Connections

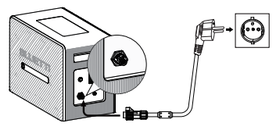
To avoid electric shock, ground Balco 260 using the grounding point as shown. For wiring instructions, please refer to the online user guide.



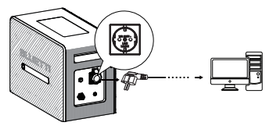
⚠ Ensure Balco 260 is off during wiring.· Ensure the unused PV ports on Balco 260 are sealed with waterproof caps: Never connect PV modules in series to avoid damage to the equipment.
⚠ Never connect the PV modules to different sets of PV input ports.



1 Connect to the Grid
Balco 260 to a home outlet.

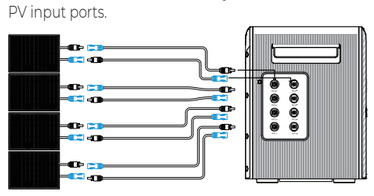


2 Connect to Your Device
Power your device directly using the backup terminal if needed.



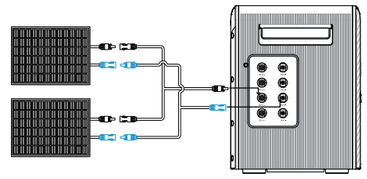
Insert the plug fully into the terminal.

3 PV Direct Connection (Up to 4 PV Modules)
Connect each PV module directly to the same set of PV input ports.



PV Input (Per Channel): 15–60V / Max. 16A; do not exceed 60V per MPPT.

PV Parallel Connection (Up to 8 PV Modules)
Connect every two PV modules to the same set of PV input ports.



4

(Optional) Install the Smart Meter

Wear insulating gloves (not included) during the installation.



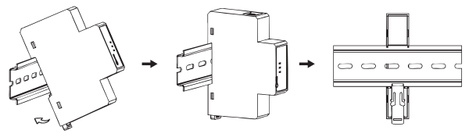
Turn off the mainbreaker before installation.



·We recommend finding a qualified electrician for installation.
·Wiring colors may vary by country or region.

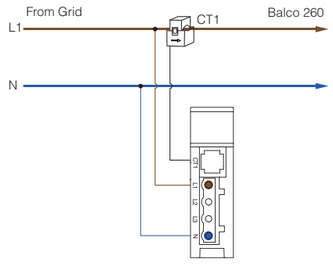
1. Install the smart meter.

Step 1: Select a 35mm-wide DIN rail, Pull down the back-end clip on the meter to unlock the mounting mechanism.
Step 2: Align Upper Slot with DIN Rail. Position the upper slot of the meter's DIN rail groove onto the DIN rail, ensuring full contact
Step 3: Following the direction indicated in Figure below, engage the lower slot of the DIN rail groove onto the DIN rail until audibly seated.
Step 4: Push up the back-end clip to lock the meter firmly onto the DIN rail.



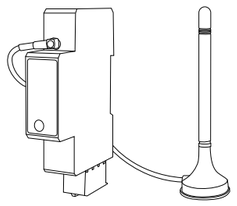
2. Wiring Diagram

The CT arrows point from grid to the Balco 260.

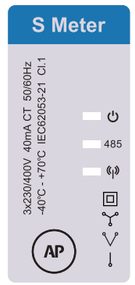


Single-Phase Connection

3. Installing an antenna

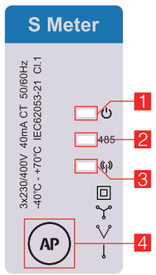


4. Operation of Wi-Fi Communication



S Meter comes with built-in Wi-Fi functionality.
When it is powered on, the three LEDs on the front panel will flash and self-check program will start. If everything is normal, the Wi-Fi indicator will light up blue.

5. Definition of Button and LEDs



1. Power LED (Red)
Stay on: Light up when the meter is powered on with no load.
Flashing: Blinks when a load is connected.

2.RS485 LED (Green)
Stay on: During the OTA upgrading.
Flashing: Blinks when the meter is communicating normally.

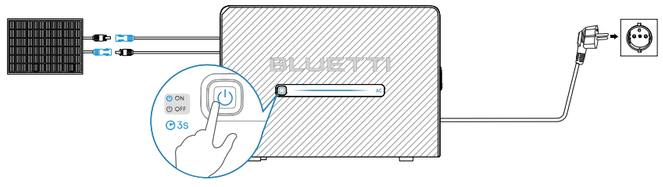
3. Wi-Fi LED (Blue) (Only for S Meter)
Stay on: Light up when the meter is connected to the network.
Flashing: Blinks when the meter is disconnected from the network

4. AP Key
Press and hold for 10 seconds to reset communication parameters.

5 Device Setup

1 Power On

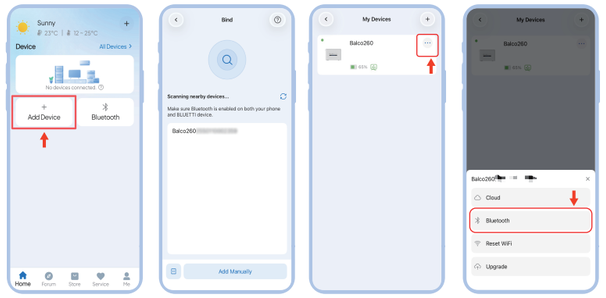
The first use requires the connection of a PV module and a home outlet.
·With solar or AC input: Balco 260 turns on automatically. To turn it off, disconnect it from both the PV modules and the home outlet, and then press the power button for 3 seconds.
·Without solar and AC input: Press the power button for 3 seconds to turn Balco 260 on or off.



Refer to the online user guide for the button controls and LED light guide.

2 Download the BLUETTI App

Scan the QR code or search for "BLUETTI" in the App Store or Google Play to download the App.



6 Disassembly System

