HOMEGRID
ENERGY STORAGE SYSTEMS

STACK'D SERIES
QUICK INSTALL GUIDE

RESOURCES

This is a reference guide only. Always follow the safety guidelines in the latest installation manual and comply with all local AHJ standards and requirements. **Only Certified HomeGrid Installers may install HomeGrid products.** Scan the QR code above for installation videos, complete manuals, and training sign-ups.

1. Pre-Installation

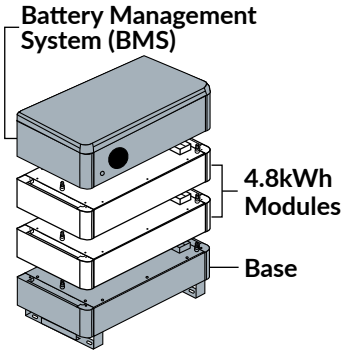
Contact Customer Support at +1 (855) 753-3505 or support@lithionbattery.com to register your Stack'd Series for online/app setup. Be prepared to provide your installer certification number.

2. Unboxing & Setup

The Stack'd Series can be installed with 2-8 modules in a stack (up to 15 stacks). Each stack must have the same number of modules. Verify contents of packages as follows:

Box 1:
BMS and Base, positive and negative terminal bus bars, inverter communication cable, Wi-Fi antenna, grounding/fixing brackets, 4/0 terminal lugs

Box 2, 3, etc:
4.8kWh battery module and brackets



3. Stack It

Stack the system (see installation video via the QR code at the top right of this page for reference).

4. Module Setup and ID

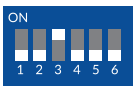
Set the address DIP switches on each battery module and the BMS BEFORE powering the unit on (DIP switches are located on the right side of each battery module). Modules should be addressed bottom to top, with Module 1 on the bottom (for easy future expansion). If installing parallel stacks, see full manual.

Module 8 - Switch 4 up

Module 7 - Switch 1,2,3 up

Module 6 - Switch 2,3 up

Module 5 - Switch 1,3 up



Module 4 - Switch 3 up

Module 3 - Switch 1,2 up

Module 2 - Switch 2 up

Module 1 - Switch 1 up

5. BMS Configuration

On the right side of the BMS, set the following dip switch settings:

INV SET

INV SET: All switches up (Module Detection Mode)

ADDR SET

ADDR SET: Switch 1 up (See manual for parallel installations)

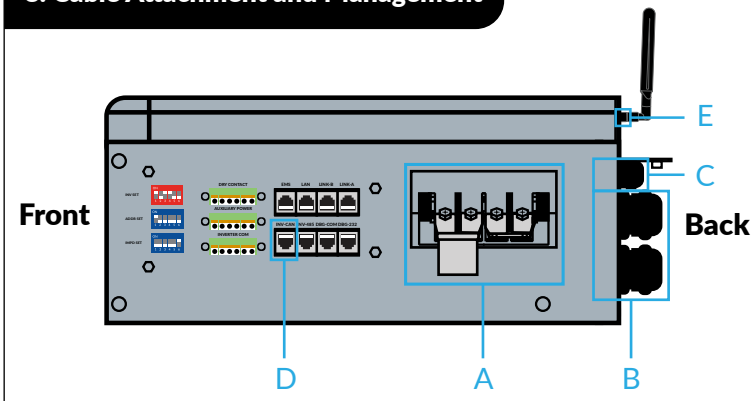
IMPD SET

IMPD SET: Switch 6 up

6. Power On

Turn each module on with the red power switches on the right side of the modules. Turn on the BMS by pressing the silver power button on the front of the unit by the LCD screen. The system should show Code 63 (for detection mode) followed by the number of modules in the system. After the correct number of modules is shown, wait at least 30 sec before proceeding to the next step.

8. Cable Attachment and Management



⚠ **Ensure the system is powered off.**

- Remove the clear plastic cover on the BMS and attach the positive and negative bus bars to the terminals (fig. A).
- Attach lugs to the cables; thread the cables through the large compression fittings on the right (fig. B).
- Fasten cables to the Bus bars using the bolts provided. (12 ± 1.2 N.m) and reattach the cover.

Inverter Communication Cable:

- Thread the “BATTERY” end of the communication cable into the top compression fitting (fig. C) and plug it in to the INV-CAN port on the BMS (fig. D).
- Connect the “INVERTER” end of the communication cable to the inverter. Ensure correct cable pin settings- the default cable is set for a Sol-Ark inverter (CAN H: 4 -> 7, CAN L: 5 -> 8).

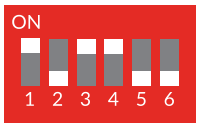
Wi-Fi Antenna Installation:

- Screw the antenna into the Wi-Fi port on the back of the BMS (fig. E).
- Turn the system back on.

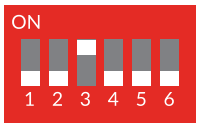
7. Inverter Set-up

Now that the modules have been detected, reset the red INV SET DIP switches on the BMS according to your chosen inverter (common pairings below. See manual for full list).

Sol-Ark



Solis LV



Megarevo

9. Optional Install Features

- **Base Stand:** Bolt to the ground for extra stability using the expansion bolts.
- **BMS Wall Mount:** Brackets provide additional support.
- **Battery Module Fixing Brackets:** Fasten modules together.

10. Connect the System to Wi-Fi and the App

Download the HomeGrid Energy App and create an account. Ensure all system components are registered by serial number with Customer Support (see Step 1 - Pre-Installation).

- Follow the app walk-through video (Scan the QR code on page 1)
  - The system connects to 2.4 GHz Wi-Fi only.
  - Set up Wi-Fi; SSID/password; iOS/Android specific steps.
  - Close and reopen the app; refresh for updates.
  - Verify network; connect to servers.

Contact HomeGrid Support with any questions.

support@lithionbattery.com

USA: 1 (855) 753 - 3505 (6AM-4PM PST)

EU/UK: 0117 456 5000 (9AM-5PM UK)