

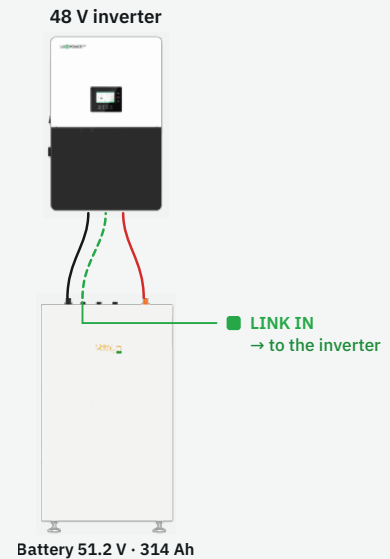
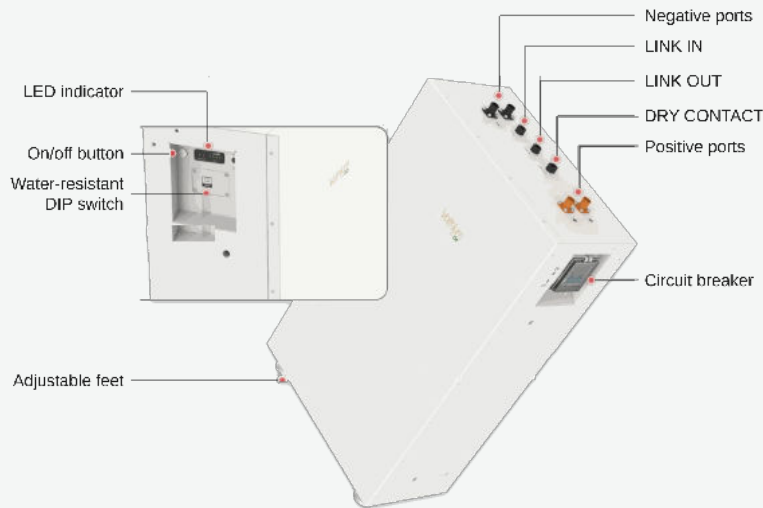
QUICK INSTALLATION GUIDE

51.2 V 314 AH AND INVERTER



Informational document: it **does not replace the user manual**. Read the manual before installation, for a compliant install and to keep the warranty valid.

51.2 V 314 Ah battery – port detail



Required installation hardware

Only two Surlok connectors ship with the battery.

To plan for (see the manual):

- Grounding cable
- Battery positive cable (Surlok)
- Battery negative cable (Surlok)
- Communication cable: **blue and white-blue** wires only (otherwise, communication will not establish)

OPTION Volthium offers a ready-to-install **accessory bag** with all of the above: **ACC-SUPP-CABLES-16KWH**.

OUTDOOR INSTALLATION A **conduit box** matched to the inverter is recommended, along with watertight connections. Consult a Volthium technician.

Step by step

- 01** Power down the inverter and switch the battery to **OFF** (button out; pressed in = ON).
- 02** Run the battery's power cables to the battery inputs on the inverter.
- 03** Run the communication cable from the battery's **LINK IN** port to the inverter's battery communication port.
- 04** Set the battery's DIP switches for the desired protocol, CANbus or RS485 (see the positions in the installation manual).
- 05** Power up the system: battery, then inverter.
- 06** Set the inverter to the correct lithium profile (LuxPowerTek: CAN/RS485 profile 6; Sol-Ark: CAN profile 00).
- 07** Wait a few minutes while the system initializes.

Parallel connection

Plan for **cables with Surlok connectors** and a **communication cable** per added battery.

- **Master** battery: the one linked to the inverter through LINK IN.
- Run the master battery's **LINK OUT** port to **LINK IN** on the second, then repeat from each battery to the next.
- All other batteries: DIP switches down, the master handles communication.

Before commissioning. Installation must be performed by a qualified person, compliant with the Canadian Electrical Code and local regulations: a value that does not match the manual may void the warranty.



User manual and technical sheets

volthium.com/support — documentation section.

For a specific case, contact our technical team before wiring.

volthium.com

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