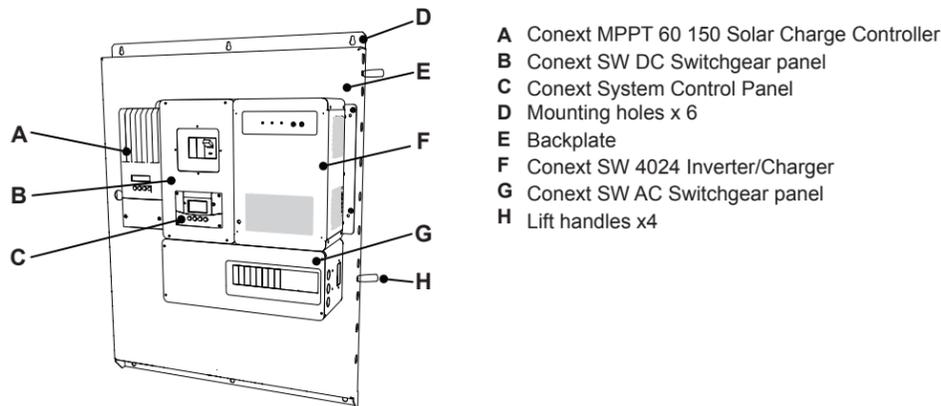


Quick Start Guide



B Introduction

The Conext Quick Fit SW 4024 consists of an Inverter/Charger, a Solar Charge Controller, and a selection of Conext solar accessories that are designed to be an integral part of any utility grid-connected PV Power System. The Conext Quick Fit SW 4024 is preassembled on a backplate for quick and easy installation.



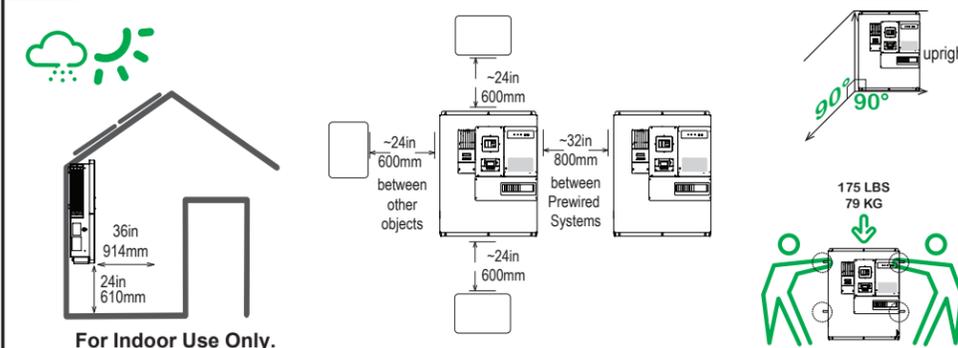
NOTE: Components A-G are supplied pre-assembled.

C Tools and Equipment

The following materials and tools are not supplied but are required to complete the installation:

- Personal protective equipment (PPE)
- Voltage meter
- Locks and tags
- Screwdriver and drill set (powered and manual)
- 3/8 in mounting screws (x6)
- Motorized hand trucks and/or portable crane system
- Cable crimper
- Cable cutter

D Installation – Specifications



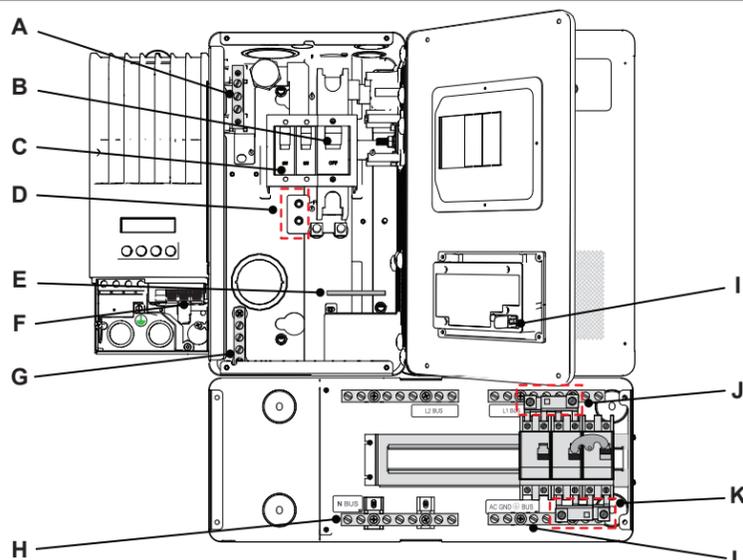
B1 Introduction – Wiring Connections

⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

This document is in addition to, and incorporates by reference, the relevant product manuals for each individual device on the Conext Quick Fit SW 4024. Before reviewing this document, you must read the relevant product manuals. Unless specified, information on safety, specifications, installation and operation is as shown in the primary documentation for each device. Ensure you are familiar with that information before proceeding.

Failure to follow these instructions will result in death or serious injury.



- A Battery- terminals
- B Battery circuit breaker
- C PV+ connection to 60 A circuit breaker
- D Battery+ terminals
- E PV- connection (on terminal block)
- F Network Terminator for Xanbus*
- G Equipment ground terminals
- H AC Neutral bus bar
- I Network Terminator for Xanbus*
- J AC INPUT terminals (L1, L2)
- K AC LOAD terminals (L1, L2)
- L AC Ground bus bar

*Do not remove the Network Terminators unless you are adding a Xanbus device. If you are adding a Xanbus device, move one of the two terminators to the new device.

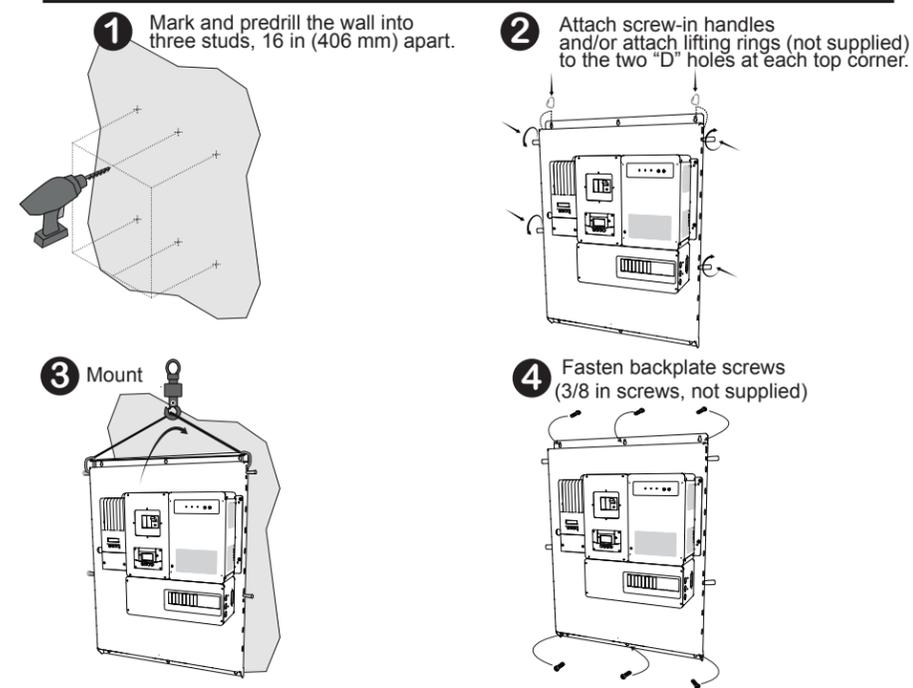
D1 Installation – Mounting

⚠ WARNING

HAZARD OF CRUSH INJURY AND EQUIPMENT DAMAGE

- At least two people are required to lift this equipment. Use of appropriate lift equipment is recommended.
- Lift equipment must be able to support a minimum of 175 lbs (79 kg).
- For structural and seismic stability, this equipment must be mounted onto a vertical supporting surface strong enough to support a minimum of 535 lbs (238 kg), and with mounting hardware that can also support this weight.

Failure to follow these instructions can result in death, serious injury, or equipment damage.



A Safety Information

Important Information

Read these instructions carefully and look at the equipment to become familiar with the device before trying to install, operate, service or maintain it. The following special messages may appear throughout this documentation or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.

The addition of either symbol to a "Danger" or "Warning" safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠ DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

⚠ WARNING

WARNING indicates a hazardous situation which, if not avoided, can result in death or serious injury.

Please Note

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material. A qualified person is one who has skills and knowledge related to the construction, installation, and operation of electrical equipment and has received safety training to recognize and avoid the hazards involved.

Conventions Used

A Section **1** Step **⚠** Safety **↔** Direction **↶** Expand **A** Label

Exclusion for Documentation

UNLESS SPECIFICALLY AGREED TO IN WRITING, SELLER

(A) MAKES NO WARRANTY AS TO THE ACCURACY, SUFFICIENCY OR SUITABILITY OF ANY TECHNICAL OR OTHER INFORMATION PROVIDED IN ITS MANUALS OR OTHER DOCUMENTATION;

(B) ASSUMES NO RESPONSIBILITY OR LIABILITY FOR LOSSES, DAMAGES, COSTS OR EXPENSES, WHETHER SPECIAL, DIRECT, INDIRECT, CONSEQUENTIAL OR INCIDENTAL, WHICH MIGHT ARISE OUT OF THE USE OF SUCH INFORMATION. THE USE OF ANY SUCH INFORMATION WILL BE ENTIRELY AT THE USER'S RISK; AND

(C) REMINDS YOU THAT IF THIS MANUAL IS IN ANY LANGUAGE OTHER THAN ENGLISH, ALTHOUGH STEPS HAVE BEEN TAKEN TO MAINTAIN THE ACCURACY OF THE TRANSLATION, THE ACCURACY CANNOT BE GUARANTEED. APPROVED CONTENT IS CONTAINED WITH THE ENGLISH LANGUAGE VERSION WHICH IS POSTED AT WWW.SCHNEIDER-ELECTRIC.COM.

Contact Information

Schneider Electric Solar Inc.
3700 Gilmore Way, Burnaby B.C., V5G 4M1, Canada

<https://solar.schneider-electric.com/>

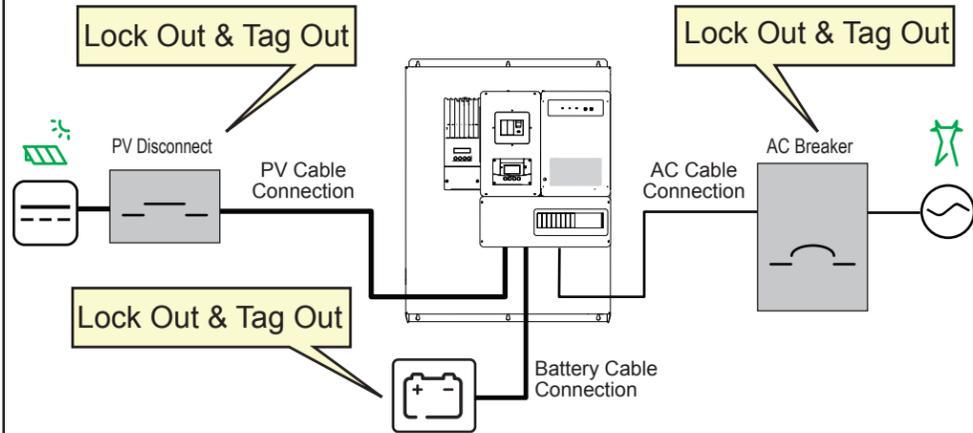
Submit your support request online at: <https://solar.schneider-electric.com/tech-support/netsuite/>

D2 Installation – Lock-out and Tag-out

⚠️ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- This equipment must be installed only by qualified personnel and serviced only by authorized service personnel equipped with appropriate PPE and following safe electrical work practices.
- Before opening any doors or covers:
 - Consult system diagram to identify all power sources. This equipment is energized from multiple sources—the DC inputs and the AC grid.
 - When the PV array is exposed to light, it supplies a DC voltage to this equipment.
 - De-energize, lock out, and tag out all power sources. External disconnecting means for the DC, AC, and auxiliary AC source, capable of being locked-out and tagged-out, must be provided as part of the installation. External disconnect devices are located elsewhere in the installation; they are not part of this equipment.
 - Wait at least ten minutes for internal capacitors to discharge to safe voltages; Wearing appropriate PPE, verify that all circuits are de-energized using a suitably rated meter.
- Never energize this equipment with the covers removed.
- Replace all devices and covers before turning on power to this equipment.



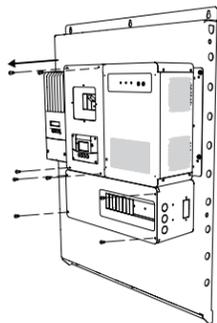
E Wiring – Cable Gland Installation

⚠️ DANGER

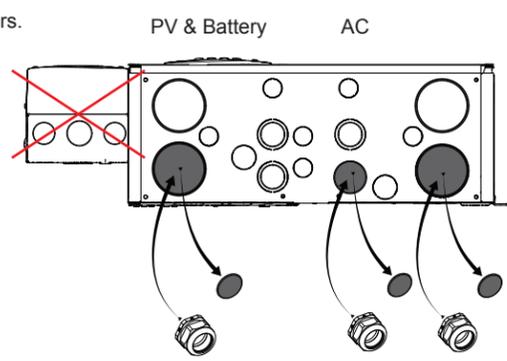
HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Do not connect this equipment to a live power source prior to cabling and wiring. This equipment can be energized from three sources: DC from the PV array and the battery, and AC from the grid.
 - Do not connect any powered device to this equipment during installation.
- Failure to follow these instructions will result in death or serious injury.**

1 Remove the AC and DC Switchgear covers.



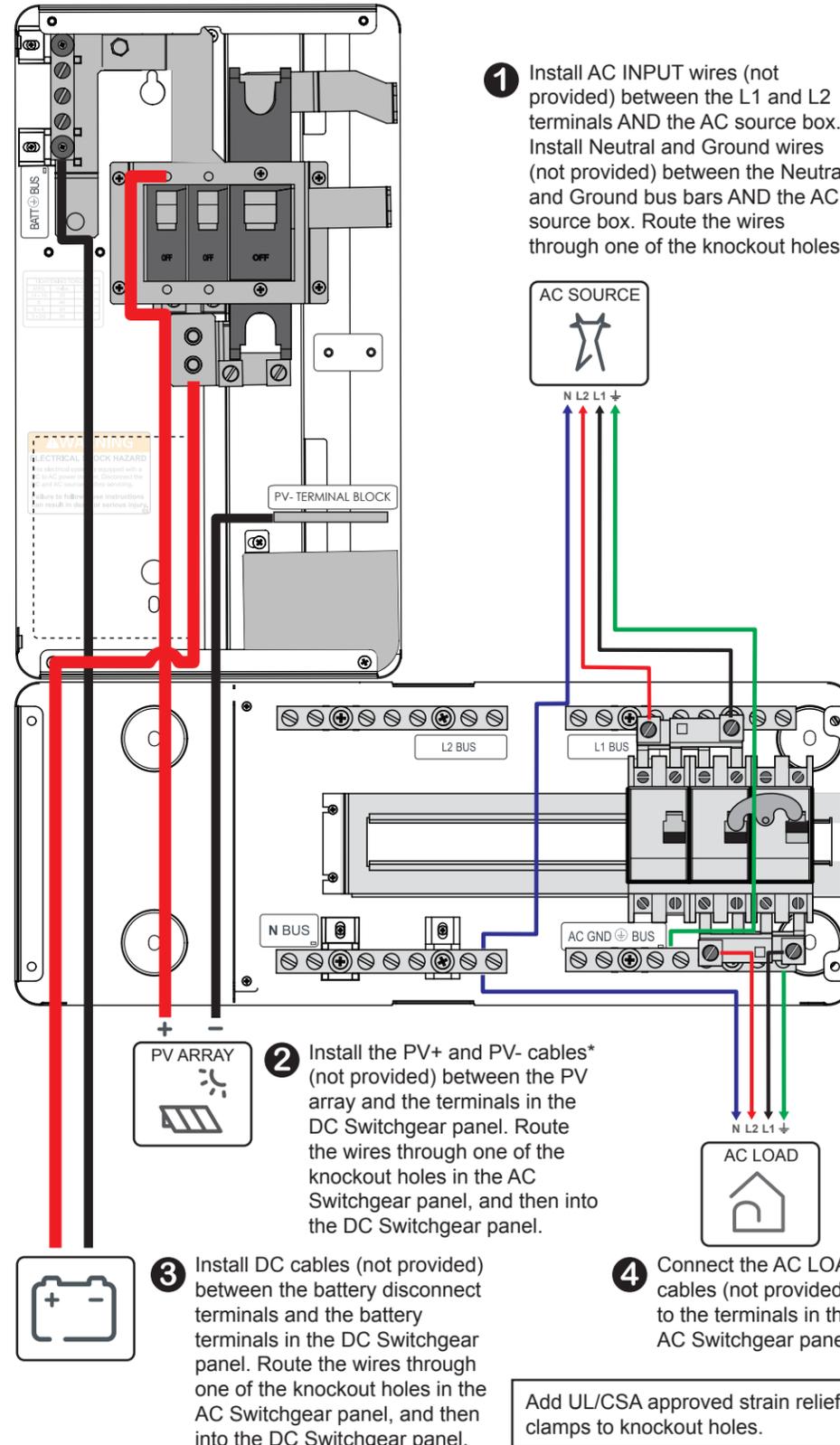
2 Remove the AC Switchgear knockout plugs and set aside. Route all AC, DC, and PV wiring through the AC Switchgear panel.



3 Install the cable gland strain relief (not supplied) onto the knockout holes. **NOTE:** Connections between the MPPT and the DC Switchgear panel are pre-wired. Incoming PV wires are routed through the AC Switchgear panel knockouts only.

E1 Wiring – Conext™ SW AC and DC Switchgear

NOTE: For more information, see the *Conext SW AC Switchgear 120/240V Installation Guide (975-0676-01-01)*, and the *Conext SW DC Switchgear Installation Guide (975-0678-01-01)*.

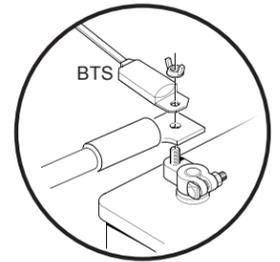


*The crimp profile maximum size is 5mm x 4mm. For wire specifications, see the online data sheet for Phoenix Contact® Installation terminal block STI 10 - 3038215.

E2 Wiring – Battery Temperature Sensors (BTS)

NOTE: For more information, see the *Conext MPPT 60 150 Solar Charge Controller Installation and Owner's Guide (975-0400-01-01)*.

Install the Battery Temperature Sensors (BTS) for the inverter and charge controller. If stacking with other cables, stack the sensor on top of the power cable. Install sensors at the hottest area of the battery bank. For details, see the Install manuals for each device. The loose ends will be attached to the PDP for transport. See markings for details.



F Commissioning

Complete the commissioning, configuration, and start-up procedures in the following documents to commission each device on the Conext Quick Fit SW 4024:

- Conext SW Inverter/Charger (Conext SW 2524 120/240, Conext SW 4024 120/240, Conext SW 4048 120/240) Installation Guide (975-0639-01-01)
- Conext MPPT 60 150 Solar Charge Controller Installation and Owner's Guide (975-0400-01-01)
- Conext System Control Panel Owner's Guide (975-0298-01-01)

G Specifications

For more information, see the Installation or Owner's manual for each device.

Total weight	175 lb (79 kg)
IP rating	NEMA Type 1
Mounting Location	Indoor only

DIMENSIONS

