Conduit Box and parts for connecting to Conext XW+ inverter/charger and PDP

A Important Safety Information

This Guide is intended for anyone who needs to operate, configure, and troubleshoot the Conext XW+ Inverter/Charger. Certain configuration tasks should only be performed by qualified personnel in consultation with your local utility and/or an authorized dealer. Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. Service of batteries must only be performed or supervised by qualified personnel with knowledge of batteries and their required precautions.

Qualified personnel have training, knowledge, and experience in:
- Installing electrical equipment
- Applying applicable installation codes
- Analyzing and reducing the hazards involved in performing electrical work
- Installing and configuring batteries
- Selecting and using Personal Protective Equipment (PPE)

No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

1. Before using the inverter, read all instructions and cautionary markings on the unit, the batteries, and all appropriate sections of this manual.
2. Use of accessories not recommended or sold by the manufacturer may result in a risk of fire, electric shock, or injury to persons.
3. The inverter is designed to be permanently connected to your AC and DC electrical systems. The manufacturer recommends that all wiring be done by a certified technician or electrician to ensure adherence to the local and national electrical codes applicable in your jurisdiction.
4. To avoid a risk of fire and electric shock, make sure that all existing wiring is in good condition and that wire is not exposed. Do not operate the inverter with damaged or substandard wiring.
5. Do not operate the inverter if it has been damaged in any way.
6. This unit does not house any user-serviceable parts. Do not disassemble the inverter except where noted for connecting wiring and cabling. See your warranty for instructions on connecting service. Attempting to service the unit yourself may result in a risk of electrical shock or fire. Internal capacitors remain charged after all power is disconnected.
7. To reduce the risk of electrical shock, disconnect both AC and DC power from the inverter before attempting any maintenance or cleaning or working on any components connected to the inverter. Putting the unit in Standby mode will not reduce this risk.
8. The inverter must be provided with an equipment-grounding conductor connected to the AC input ground.
9. Do not expose this unit to rain, snow, or liquids of any type. This product is designed for indoor use only. Damaged environments will significantly shorten the life of this product and corrosion caused by dampness will not be covered by the product warranty.
10. To reduce the chance of short-circuits, always use insulated tools when installing or working with this equipment.
11. Remove personal metal items such as rings, bracelets, necklaces, and watches when working with electrical equipment.

B Materials List

- Screws for wall mounting
- Phillips head screwdriver
- Warning label
- Bushings for AC wiring knockouts and AC Sync and Xanbus knockouts

Contact Information

www.schneider-electric.com
Please contact your local Schneider Electric Sales Representative or visit the Schneider Electric website at http://www.SEsolar.com

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) reserves the right to modify this manual 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 in the English language version which is posted at www.schneider-electric.com.
### C Knockout Dimensions

<table>
<thead>
<tr>
<th>Type</th>
<th>Inner Diameter</th>
<th>Outer Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vertical</td>
<td>3/4&quot; trade (28.2 mm)</td>
<td>1&quot; trade (31.8 mm)</td>
</tr>
<tr>
<td>Horizontal</td>
<td>3/4&quot; trade (28.2 mm)</td>
<td>1&quot; trade (31.8 mm)</td>
</tr>
<tr>
<td>Bottom</td>
<td>1/2&quot; trade (21.2 mm)</td>
<td>3/4&quot; trade (44.5 mm)</td>
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</tbody>
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### D Wall Mounting the Conduit Box

#### Wall Mounting Considerations
- If conduit is routed from the floor, remove the bottom panel of the Conduit Box before wiring. Remove the appropriate knockouts and re-attach the bottom panel once to proceed with conduit installation and wiring.
- If conduit is routed through the wall on which the XW+ unit and PDP are mounted, remove the appropriate knockouts on the back panel of the Conduit Box.
- Use plastic cable ties for cable management inside the Conduit Box.

#### 1. Wall mount the Conext XW+

**IMPORTANT:** Before installing the Conduit Box, wall mount the Conext XW+.

For detailed mounting instructions, see the Conext XW+ Inverter/Charger Installation Guide.

#### 2. Remove the Conduit Box front panel, the left or right sideplate and the raceway knockout

Either sideplate can be removed depending on the location of the adjacent PDP and Conext XW+. If the Conduit Box is located between two XW+ units, then remove both sideplates and knockouts.

#### 3. Secure the Conduit Box to the Conext XW+

1. Align the keyhole slots on the top edge of the Conduit Box with the corresponding screws on the bottom of the inverter. Loosen the screws if necessary.
2. Hang the Conduit Box on the XW+ unit by fitting the keyholes to the screws and pushing towards the wall until snug.

#### 4. Secure the Conduit Box to the wall

Using two screws suitable for the mounting surface (not provided), secure the bracket at the bottom edge of the rear panel to the wall.

### E Wiring the AC, DC, and Network Cable Connections

Route the AC, DC and Xanbus network wiring through the Conduit Box.

For detailed instructions and wiring diagrams, see the Conext XW+ Inverter/Charger Installation Guide.

### F Secure the Front Panel of the Conduit Box

Re-attach the front panel of the Conduit Box when the wiring is complete.

1. Slide the bottom lip of the front panel over the lower edge of the rear panel.
2. Align the two holes in the front panel with the two holes in the back panel.
3. Using two #10-16x3/8” tapping screws (provided), secure the front panel to the rear panel as shown.