Important Safety Information

This Guide is intended for anyone who needs to operate, configure, and troubleshoot the Conext System Control Panel (SCP). Certain configuration tasks should only be performed by qualified personnel in consultation with your local utility and/or an authorized dealer. Electrical equipment, operated, serviced, and maintained only by qualified personnel. Servicing 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.

Read and Save These Instructions - Do Not Discard

http://www.SEsolar.com

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

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DANGER
HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH
- Apply appropriate personal protective equipment (PPE) and follow safe electrical work practices. See NFPA 70E or CSA Z462.
- This equipment must only be installed and serviced by qualified electrical personnel.
- Never operate energized with covers removed.
- Energized from multiple sources. Before removing covers identify all sources, de-energize, lock-out, and tag-out all disconnects as indicated by manufacturer.
- Always use a properly rated voltage sensing device to confirm all circuits are de-energized.
- Failure to follow these instructions will result in death or serious injury.

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH
- Batteries can present a risk of electric shock and high short-circuit current. The following precautions must be observed when working with batteries:
  - Remove watches, rings or other metal objects.
  - Use tools with insulated handles.
  - Wear protective glasses, gloves and boots.
  - Do not lay tools or other metal parts on top of batteries.
  - Disconnect the charging source prior to connecting or disconnecting battery terminals.
- Failure to follow these instructions will result in death or serious injury.

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH
- Battery Circuit Breakers must be installed according to the specifications and requirements specified by Schneider Electric.
- Servicing of batteries must only be performed by qualified personnel and the required precautions. Keep unqualified personnel away from batteries.
- Failure to follow these instructions will result in death or serious injury.

CAUTION
- Do not expose this unit to rain, snow, or liquids of any type.

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

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

CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE is used to address practices not related to physical injury. The safety alert symbol shall not be used with this signal word.

Materials List

- System Control Panel (SCP)
- Mounting plate for flush mounting
- Mounting bracket for surface mounting
- Network terminator
- Xanbus cable
- Mounting template sticker
- 4 x 88 (M3) self-tapping screws
- 2 x 88 (M4) self-tapping screws

Using the System Control Panel – Basics

System Status
- Battery 20.4A 53.9V
- 115V
- 1250W
- 26.4A 51.9V
- Invert 150A 150W
- Invert 150A 150W
- Invert 250A 250W
- 0.0V 1250W

Device Status
- Invert 26.4A 51.9V

Display
- Select menu item
- Displays the next screen
- Scrolls up a line of text
- Increases a selected value
- Scrolls down a line of text
- Decreases a selected value
- Canals selection of a menu item
- Displays the previous screen
- Enables and disables inverting and charging on all inverters/chargers in the system when pressed for one to two seconds.
Connecting Xanbus Cables

Connecting Xanbus cables to the SCP

1. Connect the Xanbus cable (or two Xanbus cables if the SCP is located between two Xanbus-enabled devices) to a Xanbus network input in the SCP.
2. Route and connect the cable(s) to the nearest Xanbus-enabled device(s).
3. For additional devices, continue connecting cable as described above.
4. Ensure the factory-supplied male network terminators are inserted into the empty inputs in the Xanbus-enabled devices at the beginning and end of the network. When the network is completely connected, there should be no empty network inputs in any Xanbus-enabled device.

Do not route the Xanbus cables in the same conduit or panel as the AC and DC power cabling.

• Do not install network terminators in an AC Sync port.

Xanbus cables are connected to the SCP at the time the SCP is mounted.

For detailed instructions on installing the Xanbus network, see the Conext System Control Panel Owner’s Guide.

Conext System Control Panel Installation Guide

WARNING

XANBUS SHOCK HAZARD
Xanbus cables in contact with DC or AC power can transmit an electric shock. Do not make the Xanbus cables in the same conduit or panel as the AC and DC power cabling.

Flush mount the SCP using the mounting plate

1. Using a jigsaw and the supplied template sticker as a guide, cut out the hole for the mounting plate. The mounting plate fastens to walls up to 19 mm thick.
2. Route the Xanbus cable(s) inside the wall and through the opening.
3. Insert the mounting plate with the two tabs in a vertical position into the hole.
4. Secure the mounting plate. Tighten the two screws to rotate the tabs to the horizontal position and pull the tabs tight against the inner surface of the wall. Be careful not to overtighten the screws and damage the wall.
5. Connect the Xanbus cable(s) (and terminator if necessary) to either network input on the back of the SCP. Connect a network terminator to the SCP if it is the last device at the end of a daisy chain network layout.

Set the system clock to the correct time

If network power is present, the SCP displays the Startup Screen briefly, and then either the clock setup warning (the first time only), or the System Status screen.

1. From the clock setup Warning screen, press Enter to display the Clock menu with Set Time highlighted. Or, from the System Status screen, press Enter, highlight Clock, and then press Enter. Press Enter again with Set Time highlighted.
2. Press Enter to select the hour value. Use the up and down arrow buttons to change the hour, and then press Enter.
3. Repeat to set the minute value and the AM/PM value (if using the 12-hour clock).
4. Press Exit to return to the previous value, or press Exit several times to return to the previous screen.

Note: If a Conext ComBox is installed, the ComBox network time overrides the time settings on the SCP and other Conext devices.

For more information about configuring the Conext system using the SCP, see the Conext System Control Panel Owner’s Guide.