POWERWALL WITH BACKUP GATEWAY 2

View Partner Portal
The Powerwall 2 AC (Backup Gateway 2) Installation Manual (North America) can be found in the Installation section in the Powerwall documents

BACKUP GATEWAY 2 OVERVIEW

Optional Internal Panelboard
Non-Backup Loads
Neutral-Ground Bonding Strap
Backup Loads and Generation
Load / Generation Neutral Terminals
Main Neutral Terminals
Main Ground Terminals
Supply Terminals
Ethernet Port

SYSTEM WIRING CONFIGURATIONS

Backup Gateway Without Internal Panelboard
Backup Gateway With Internal Panelboard

WHOLE HOME BACKUP
Where all loads can be supported by Powerwall

Powerwall and Solar in existing panel
Powerwall and Solar on backup internal panelboard
PARTIAL HOME BACKUP
Heavy loads cannot be supported by Powerwall

See System Wiring Diagrams in the Installation Manual for detailed diagrams of common configurations

REQUIRED TOOLS

SUGGESTED TOOLS

MOUNT POWERWALL

See Powerwall Mounting Details in the Installation Manual for additional details
SIDE CABLE ENTRY
REAR CABLE ENTRY

MOUNT THE BACKUP GATEWAY
BOTTOM, REAR, OR SIDE CABLE ENTRY

OPTIONAL: TOP CABLE ENTRY VIA CONDUIT HUB KIT

Sealing washers must be installed
IS GATEWAY INSTALLED AS SERVICE EQUIPMENT?

NO
GATEWAY IS NOT INSTALLED AS SERVICE EQUIPMENT
REMOVE NEUTRAL-GROUND BONDING STRAP

YES
GATEWAY IS INSTALLED AS SERVICE EQUIPMENT
INSTALL MAIN BREAKER

See Wiring Reference in the Installation Reference Manual for breaker types

MAKE BACKUP GATEWAY AC POWER CONNECTIONS

SUPPLY SIDE CONDUCTORS

- 6 AWG - 250 kcmil
- 275 in-lbs
- 5/16"
- 1 1/4"

- 6 AWG - 250 kcmil
- 120 in-lbs
- 3/16"
- 14 AWG - 2/0
MAKE POWERWALL AC POWER CONNECTIONS

INSTALL BREAKER HOLD-DOWN

OR

BACKUP INTERNAL PANELBOARD

NON-BACKUP INTERNAL PANELBOARD

10 - 8 AWG

10 - 8 AWG

10 - 8 AWG

7/16”
Drain CN – Ground CN + 12 V +

MULTI-POWERWALL COMMUNICATION WIRING

18-16 AWG
24-16 AWG

CONNECT COMMUNICATION WIRING

14/38 in
18-16 AWG
24-16 AWG
24-16 AWG
See Install Optional Remote Disable Switch in the Installation Manual for information on switch operation and design considerations.

**INSTALL METERING**

**METERING OVERVIEW**

**Correct Metering Installation**

- All Site loads monitored with two integrated CTs
- All Solar monitored with one auxiliary CT

**Incorrect Metering Installation**

- Secondary Solar is not monitored
- Non-Backup Site loads are not monitored by integrated CTs

**CT ORIENTATION**

- CT Label Source of Power
- Power Flow
- Power Flow
Note: If installing a Neurio meter and additional CTs, connect the Neurio over Wi-Fi to update. See the Installation Manual for a detailed overview of metering, system wiring diagrams with meter placement, and instructions for installing a remote Neurio meter.

CONNECT BACKUP GATEWAY TO THE INTERNET

ETHERNET

2.4 GHz / 5GHz Wi-Fi

AND / OR

HOMEOWNER NETWORK

HOMEOWNER PASSWORD

CLOSE WIRING COMPARTMENTS AND POWER ON
COMMISSION THE SYSTEM

TIPS

- Use Chrome: Incognito mode or Safari: Private Browsing mode.
- Work in one browser tab only.
- For security message Your connection is not private, select Advanced and Proceed.
- For Error: Bad Credentials, select FORGOT PASSWORD to reset password.
- For Error: Login Error (Cannot Start Wizard), select Click for More and tick the Force Launch Wizard option. Try again.
- If experiencing other issues, refresh the web page.
- If issues persist, reboot Gateway using RESET button.

Join TEG-YYY Wi-Fi

http://TEG-YYY