XR 60 System Configuration Overview

EG4® XR 60

Configuration A — Standalone XR60

The EG4 XR60 can operate as a standalone energy storage system with a maximum 100 A AC bypass. In a standard configuration, two current transformers (CTs) monitor power flow at the service entrance. The GEN port can be configured for one function: generator input, AC-coupled PV, or a smart load. Follow the approved XR60 installation manual for wiring and configuration requirements.

Configuration B — XR60 with GridBOSS.

The XR60 can be paired with GridBOSS for compatible 200 A service configurations and expanded power management capabilities. Generator input, AC-coupled PV, and smart-load functions are managed through GridBOSS. In this configuration, XR60 CTs and LOAD terminals are not used. Refer to approved XR60 and GridBOSS wiring diagrams.

Configuration C — Multiple XR60 units

Up to three EG4 XR60 units can be connected in parallel, providing a combined 180 kWh of usable battery storage. Parallel installations require communication cables between units, appropriate master-unit configuration, and CT placement according to the approved installation guide. System design and permitting must comply with applicable codes and local AHJ requirements.

Power Source Options

- **Solar PV:** Three MPPTs with 2/2/1 inputs and a maximum utilized solar power rating of 26 kW per XR60.
- **Generator:** Maximum input current of 80 A per XR60.
- **AC-Coupled PV and Smart Loads:** Supported through the appropriate GEN port configuration or compatible GridBOSS integration.

Selection Guide

Choose a standalone XR60 configuration for applications within approved bypass and service limits. Consider GridBOSS where compatible 200 A service integration and additional smart-port functionality are required. For larger storage requirements, up to three XR60 units may be configured in parallel, subject to Engineering review, approved wiring diagrams and local permitting requirements.

Not a wiring instruction

All configurations require the approved XR60 manual, diagrams, protection, utility interconnection review and local permitting.