# Spectra Series™ Integrated Submetering Panelboard

Submetering lets you measure and bill energy use (electrical, water, gas) in master-metered commercial and/or residential buildings. Suitable for either new construction or retrofit, the Spectra Series Integrated Submetering Panelboard combines the benefits of a multi-tenant digital meter with a reliable GE Spectra Series panelboard. The result is the industry's **only** factory-integrated, UL Listed solution.

## Save Valuable Real Estate
GE's fully-integrated solution maximizes valuable real estate by combining meters, current transformers, communications and overload protection into a single UL Listed, factory-assembled panel. It requires only a fraction of the space needed for traditional modular metering.

## Lower Construction Costs
Because this panelboard requires no special communications wiring, you'll reduce wire, conduit and installation costs. Individual branch circuit readings communicate through power line communication. All in all, it's lighter, more flexible, faster and easier to install than conventional utility metering.

## Save Time
Fully assembled and wired in the factory.

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## Features and benefits

- Factory assembled/wired internal meters minimize installation labor
- Factory installed/wired CTs eliminate lengthy wiring runs and wiring errors
- Small footprint takes up less wall space than separate panels and meters
- UL Listed
- Communication:
  - Power line communication standard on all meters
  - Optional Modbus RS-485 communication
  - Up to 48 pulse inputs to capture energy data from other pulse-type energy devices (water, gas, steam meters)
- IEC optical front panel interface for programming
- Real-time, per-phase viewing of voltage, current, power factor, phase angle, watts, VARs, VA and frequency
- Event reporting with time and date stamps
  - Local LCD display
  - Push-button scroll
  - 32-digit liquid crystal display (16 digit × 2 rows)
  - Programmable display scroll and decimal place display
- Meets ANSI C12.1 revenue grade accuracy specifications and Canada (AE-1148)
- Data can be accessed and collected through third party read-bill-collect service or, with Modbus option, the internal EPM 4000 platform utilizes GE's Energy Aggregator billing software, an ideal web-based solution for tracking and monitoring energy consumption. Energy Aggregator allows for the creation of utility rate structures and automatic billing generation.
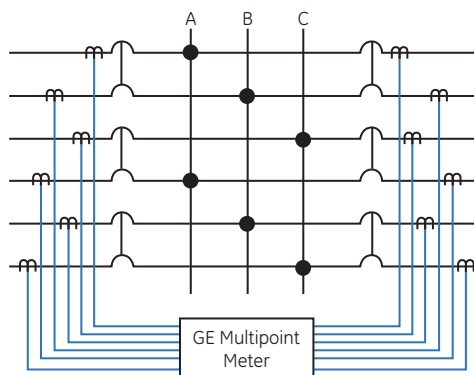
## Specifications

| | |
|---|---|
| Panel Type | **Spectra Bolt-On (SBO)** |
| Certifications | **UL, cUL** |
| Services | **1P3W, 3P3W, 3P4W** |
| Voltages | **120/240V, 120/208V, 270/480V, 480V Delta** |
| Main Amps | **250, 400, 600, 800, 1200** |
| Main Types | **SF, SG, SK** |
| Busing | **Cu, Al** |
| Feeder Types | **TED, TQD, THQD, 2-Pole Only** |
| Feeder Amps | **15-225A** |
| Max Fully Rated AIC Ratings | **22kAIC at 240V** |
| Branch Devices | **24 - 2-Pole Max.** |
| No. of Meter Points/Panel | **3, 6, 9, 12, 15, 18, 21, 24** |
| Series Ratings | **65kAIC at 240V** |
| Meter Specifications | **Per EPM 4500 Brochure** |

## Dimensions

| Tenants | Panel Dimensions (inches) |
|---|---|
| 6 | 65H × 40W × 11.5D |
| 12 | 76H × 40W × 11.5D |
| 18/24 | 89H × 44W × 11.5D |

Example of 6-unit Wiring Diagram

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