Lumin Smart Panel® with Panel Guard

Skip the expensive and time-consuming service upgrade. Unlock flexible home electrification.

The Lumin Smart Panel with Panel Guard intelligently manages the home's circuits to enable the seamless addition of electric appliances, like EV chargers or heat pumps, while staying within the home's electrical limits. Thanks to its retrofit-ready design, Lumin is cost-effective and efficient to install—no need to relocate or replace the existing service panel. A step above automated electrification management, the Lumin Energy app empowers homeowners monitor energy use, set schedules and control circuits on demand.

Learn more about Lumin at LuminSmart.com.

Installation

Type	Indoor or outdoor
Typical Time Required	1.5-4 hours
Dimensions	44.6 cm × 44.6 cm × 10.1 cm (17.5 in × 17.5 in × 4.0 in), indoor 55.8 cm × 48.3 cm × 14.0 cm (22 in × 19 in × 5.5 in), outdoor
Weight	12 kg (27 lb)
Temperature	0°C to 60°C (32°F to 140°F) indoor; -30°C to 70°C (-22°F to 158°F) outdoor
Humidity	< 80% RH (Non-condensing); indoor | < 100% RH; outdoor

Electrical System

AC Voltage	120/240 VAC split-phase, 50–60 Hz
Supply Breaker Rating	15–20 A dual-pole

Managed Loads

Max. Load Breaker Ratings Up to 50 °C	60 A per line × 6 lines and 30 A per line × 6 lines

Measurement

Accuracy	±0.5% of load
Monitoring Type	Separate measurement of lines (including dual-pole)
Split-Phase Voltage	Separate line-to-neutral potential measurement
Current Transformers	2 split-core 200 A included

Connectivity & Security

Connection Options	WiFi or Ethernet
Wi-Fi Protocols	802.11 b/g/n, 2.4 GHz

Support

Warranty	10-year limited*
Compliance	UL 916; UL and CSA c22.2: 61010-1 & 61010-2-030; MET listing E115439

*Please refer to the warranty terms and conditions for details.