



- Attaches to main electrical panel
- Local connectivity in off-grid mode
- Up to 12 lines

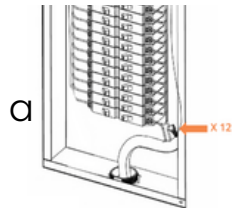
## About the Platform

Lumin® is the pioneer and market leader for responsive load control and smart circuit technology. The Lumin platform is an addition to an ordinary electrical panel and makes regular circuits smart and responsive. Lumin helps home and building owners automatically make decisions about their energy use based on a myriad of factors including; solar production, battery state of charge, battery output power, electricity pricing, and grid requirements. The Lumin solution is valued by homeowners, solar+storage installers, utilities, and home builders. To learn more, please visit [luminsmart.com](http://luminsmart.com).

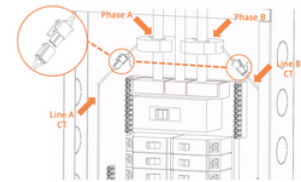
Connect →



1. Mount Lumin Smart Panel (LSP) near main panel.



2. Wire LSP between breakers and load wires.

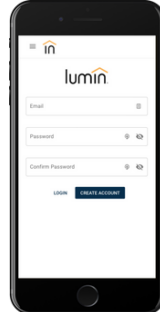


3. Install CTs around supply lines.

Configure →

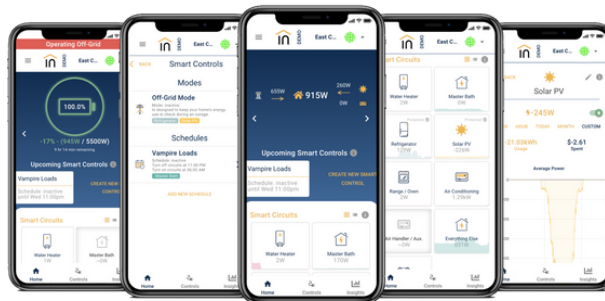


1. Download Lumin Smart app



2. Set up account

Control →



- Set schedules and modes.
- Outage-ready peace of mind.
- 24/7 safety, savings and insights.





# Lumin Energy Management Platform Technical Specifications



## INSTALLATION REQUIREMENTS

<b>Location</b>	Wall-Mount; Indoor Only; Ambient 0-60 °C (32-140 °F)
<b>Installer Qualification</b>	Lumin Certification Required
<b>Time</b>	2-4 Hours
<b>Additional Units</b>	Combinations of Lumin Smart Panels Supported

## PHYSICAL SPECIFICATIONS

<b>Dimensions</b>	44.6 cm × 44.6 cm × 10.1 cm (17.5 in × 17.5 in × 4.0 in)
<b>Conductor Length</b>	All Extend 76 cm (30 in) Beyond Conduit End
<b>Weight</b>	12 kg (27 lb)
<b>Enclosure Material</b>	5052-H32 Aluminum

## MANAGED LOAD SPECIFICATIONS

<b>Input Voltage</b>	120/240 V Split-Phase AC
<b>Number of Loads</b>	Up to 12
<b>Max. Load Amperage</b>	60 A Per Line × 6 Lines and 30 A Per Line × 6 Lines
<b>Feed-In Types</b>	Single Pole (1 Line) and Dual Pole (2 Lines)
<b>Max. Total Amperage</b>	400 A Maximum Sum of Managed Load Amperages

## SUPPORT AND COMPLIANCE

<b>Product Warranty</b>	10-Year Limited
<b>Compatible Equipment</b>	Any Load Panel and Breaker Combination
<b>Compliance</b>	UL 61010 & 916, RoHS, and 47 CFR 15 (FCC)

## ENERGY MEASUREMENT SPECIFICATIONS

<b>Accuracy</b>	± 0.5% of Actual Load
<b>Monitoring Type</b>	Separate Measurement of All Lines (Including Dual-Pole)
<b>Split-Phase Voltage</b>	Separate Line-to-Neutral Potential Measurement
<b>Current Transformers</b>	2 Split-Core 200 A Included; Up to 2 Additional Available

## CONNECTIVITY AND SECURITY

<b>Connection Options</b>	Wi-Fi or Ethernet
<b>Internet Bandwidth</b>	~0.02 Mbps
<b>Wi-Fi Protocols</b>	802.11 b/g/n, 2.4 GHz
<b>Wi-Fi Encryption</b>	WEP64, WEP128, WPA, and WPA2 Methods
<b>Ethernet Port</b>	1 × RJ-45
<b>Ethernet Speed</b>	10/100/1000 Mbps
<b>IP Addressing</b>	Dynamic (DHCP)
<b>Cryptographic System</b>	TLS 1.2 (Minimum)

## USER ACCESS

<b>Applications</b>	iOS, Android, and Web Browser
<b>Data</b>	1-Second Granularity (Averaged from 15 kHz)
<b>Load Controls</b>	Direct, Schedules, and Modes

