



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

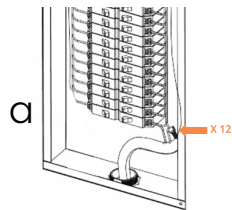
About the Platform

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.

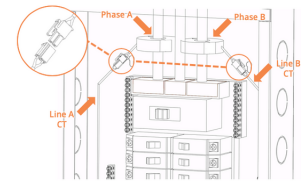
Connect



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

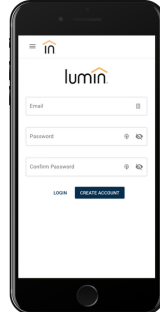


2. Wire LSP between breakers and load wires.



3. Install CTs around supply lines.

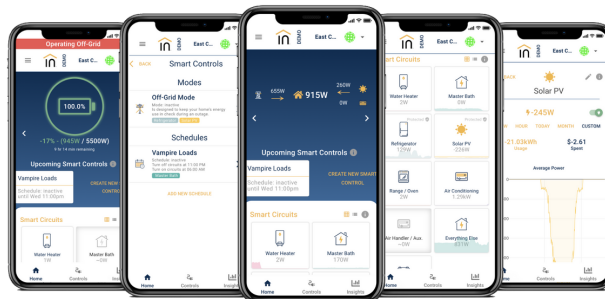
Configure



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

Type	Surface-Mount; Outdoor
Installer Qualification	Local Electrical Code and Lumin Certified Installer
Typical Time Required	2-4 Hours
NEMA Rating	Type 4X
Temperature	-30°C to 70°C (-22°F to 158°F)
Humidity	< 100% RH
Altitude	< 3000 m
Pollution Level	Degree 3
Dimensions	55.8 cm × 48.26 cm × 13.97 cm (22 in × 19 in × 5.5 in)
Weight	12 kg (27 lb)
Conductor Length	All Extend 76 cm (30 in) Beyond Conduit End
Additional Units	Combinations of Lumin Smart Panels Supported

SUPPORT & COMPLIANCE

Warranty	10-Year Limited
Compatible Equipment	Any Load Panel and Breaker Combination
Safety Compliance	UL and CSA C22.2: 61010-1 & 61010-2-030
Radiofrequency Compliance	47 CFR 15 (FCC) RSS-Gen and RSP-100 (ISED)

ELECTRICAL SYSTEM

AC Voltage	120/240 V, 50–60 Hz
Supply Breaker Rating	15–20 A
Voltage Fluctuations	+/- 10% from Nominal
Overvoltage	Category III (Building Wiring)

MANAGED LOADS

Max. Load Breaker Ratings	60 A Per Line × 6 Lines and 30 A Per Line × 6 Lines
Breaker Types	Single Pole (1 Line) and Dual Pole (2 Lines)
Max. Main Breaker	400 A (or 2 × 200 A, etc.)

MEASUREMENT

Accuracy	± 0.5% of Actual 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; Up to 2 Additional Available
Measurement Category	Loads: CAT III (Mains Distr.) GVD: CAT IV (Mains Source)

CONNECTIVITY & SECURITY

Connection Options	Wi-Fi, Ethernet, Modbus, USB
Internet Bandwidth	~0.02 Mbps
Wi-Fi Protocols	802.11 b/g/n, 2.4 GHz
Wi-Fi Encryption	WEP64, WEP128, WPA, and WPA2 Methods
Ethernet Port	1×RJ-45 (10/100/1000Mbps)
IP Addressing	Dynamic (DHCP)
Cryptographic System	TLS 1.2 (Minimum)
Firewall Outbound Access Required	Ports 53, 123, 443–444, and 50050–50059

USER ACCESS

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

