

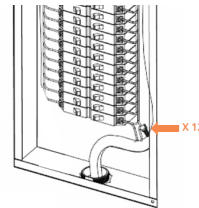
About the Platform

Lumin® is the pioneer and market leader for responsive load control, adding exceptional value to residential microgrids by balancing the needs of energy storage and multiple power sources (traditional electrical grid, solar PV, backup generator). The Lumin platform is an addition to a standard electrical panel and makes ordinary circuits smart and responsive. Lumin helps homeowners automatically or manually control their home's microgrid and enhance and protect their investment in solar PV, energy storage, and more. The Lumin solution is valued by homeowners, solar + storage installers, utilities, and home builders.

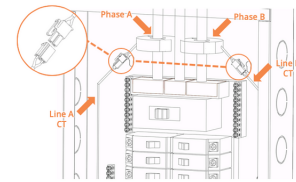
Connect



1. Mount LSP to main panel.



2. Wire LSP to 12 single pole or 6 dual pole circuits,

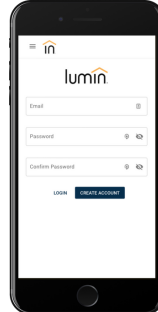


3. Connect the CTs to LSP connectors and main service lines.

Configure

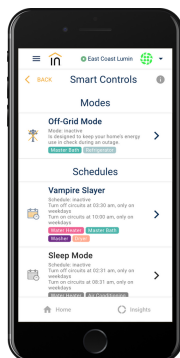


1. Download Lumin Smart app



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



ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-20°C to 60°C (-4°F to 140°F)
Enclosure Type	Custom Aluminum
RoHS Compliant	Yes

PHYSICAL SPECIFICATIONS

Dimensions	44.45cm x 44.4cm x 10.16cm (17.5in x 17.5in x 4in)
Weight	11.34kg (25lbs)
Conductor Length	76.2cm (30in)

PERFORMANCE SPECIFICATIONS

AC Voltage	120/240V
Feed-In Type	Single & Dual Pole
Warranty	10-Year Limited Warranty

COMPATIBILITY AND COMPLIANCE

Panel	Any manufacturer
Breakers	Any manufacturer
Compliance	UL 61010 & 916

SUPPORTED CIRCUIT BREAKERS & LOADS

Amperage	6 channels up to 60A 6 channels up to 30A
#of Circuit Breakers	Up to 12
Up to 4 split core CTs	2x 200A (main service) 2x 200A (generation)

INSTALLATION

Licensed electrician	Required
Type	Wall mount
Time	3-4 hours

ENERGY MEASUREMENT SPECIFICATIONS

Each dedicated circuit metered separately
Dual phase voltage measurement
ANSI C12.20 0.5 Accuracy Class
20 kHz sampling frequency per circuit
Class 3 PCB Assembly

CONNECTIVITY AND SECURITY

Wi-Fi: 802.11b/g/n @2.4GHz with Internet access
Ethernet Cat 5/6"
WEP 64, WEP 128, WPA and WPA2 encryption methods
DHCP (dynamic) IP addressing
X.509 certificate encryption
Cryptographic protocol: TLS RFC 6176
AWS Multi-Region High Availability

USER ACCESS

Mobile Applications	iOS, Android
Web Application	app.portal.luminsmart.com
Data	1-second granularity
Controls	Direct; schedules; modes

