



Making Ordinary Circuits Smart & Responsive

Up to 12 circuits of control

Prioritize loads in a grid outage

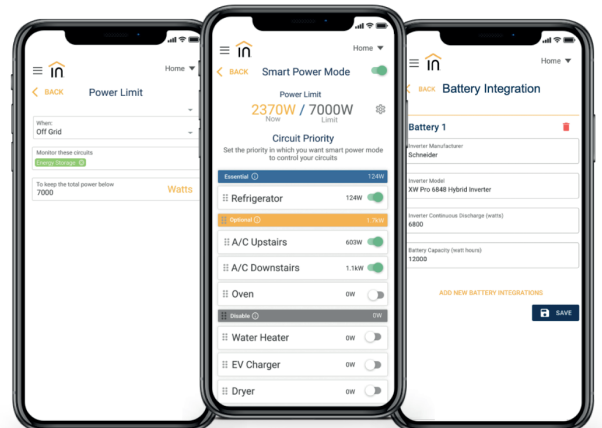
Compatible with any battery storage system



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 empowers homeowners to manage their energy consumption based on numerous factors such as grid outages, electricity pricing, maximum battery output, battery state of charge and solar production. Lumin is valued by homeowners, solar+storage installers, utilities, and home builders. To learn more, please visit luminsmart.com.



DOWNLOAD LUMIN SMART APP



Lumin Smart Panel

Technical Specifications - Indoor

INSTALLATION

Type	Wall-Mount; Indoor Only
Installer Qualification	Local Electrical Codes and Lumin Certified Installer
Typical Time Required	1.5–4 Hours
Temperature	0°C to 60°C (32°F to 140°F)
Humidity	< 80% RH (Non-Condensing)
Altitude	< 3000 m
Dimensions	44.6 cm × 44.6 cm × 10.1 cm (17.5 in × 17.5 in × 4.0 in)
Weight	12 kg (27 lb)
Conductor Length	All Extend 76 cm (30 in) Beyond Conduit End
Additional Units	Use of Multiple Lumin Smart Panels Supported

ELECTRICAL SYSTEM

AC Voltage	120/240 VAC Split-Phase, 50–60Hz
Supply Breaker Rating	15–20 A (non-GFCI)

CONNECTIVITY AND SECURITY

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

MANAGED LOADS

Max. Load Breaker Ratings up to 50 °C	60 A per Line × 6 Lines and 30 A per Line × 6 Lines
Load Breaker Ratings at 50–60 °C	50 A per Line × 6 Lines and 20 A per Line × 6 Lines
Breaker Types	Single Pole (1 Line) and Dual Pole (2 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; Up to 2 Additional Available

SUPPORT & COMPLIANCE

Warranty	10-Year Limited
Compatible Equipment	All Makes/Models/Brands of Electrical Panels and Breakers
Safety Compliance	Listed to UL and CSA C22.2: 61010-1 & 61010-2-030
Radiofrequency Compliance	47 CFR 15 (FCC) RSS-Gen and RSP-100 (ISED)

USER ACCESS

Local Network	Live Data and Controls
Applications	iOS, Android, and Web
Data	1-Second Granularity (Averaged from 16 kHz)
Load Controls	Manually/Directly, Automated Schedules, and Automated Modes

Lumin Smart Panel

Technical Specifications - Outdoor

INSTALLATION

Type	Surface-Mount; Indoor or Outdoor
Installer Qualification	Local Electrical Codes and Lumin Certified Installer
Typical Time Required	1.5-4 Hours
NEMA Rating	Type 3R
Temperature	-30°C to 70°C (-22°F to 158°F)
Humidity	< 100% RH
Altitude	< 3000 m
Dimensions	55.8 cm × 48.3 cm × 14.0 cm (22 in × 19 in × 5.5 in)
Weight	12 kg (27 lb)
Conductor Length	All Extend 100 cm (40 in) Beyond Conduit End
Additional Units	Use of Multiple Lumin Smart Panels Supported

ELECTRICAL SYSTEM

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