

## Energy Management System for Commercial buildings



A simplified version of our EMS for Supply, Load, and Transaction Management



Cloud and On-Premise components for full and redundant control at all times



Minimizes infrastructure and operating costs associated with Electric Vehicle Charging and other high-demand loads

### Why Ligero™ ?

#### Load Balancing

Ligero automatically balances EV charging loads at the service, panel, and circuit level to direct power to the chargers that need it, and ensure maximum charging while capacity limits are never exceeded

#### Billing that works for you

Flexible billing and administration options allow buildings to define rates and payment mechanisms and change at any time

#### Designed for Early Building Needs

Ideal for a low cost implementation when there are fewer EV chargers in the building. Simple install requires no electrical work and can use existing Wi-Fi if available

#### Flexible and Future Ready

Rack or wall mountable and easily upgradeable in the future to Unico Power's Cerebro™ EMS cabinet with revenue grade metering and full demand management.

### Ligero™ Includes



Cloud-based Server with on-site controller and encrypted Long Range (LoRa) wireless communication.



Real-time building-level load monitoring with revenue grade metering.



A web, iPhone and Android app for owners to view the status, usage history and bills for their EVSEs.



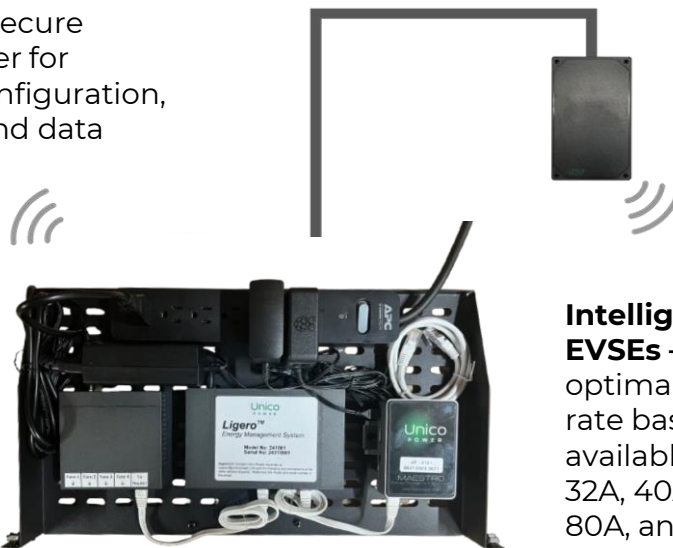
Lifetime On-call technical support and online resources for each building to assist activation, billing and more.



**Cerebro™** - The secure cloud-based server for billing, system configuration, administration, and data storage



**Unico Power App -**  
Desktop or mobile access to EVSE activation, billing and support



**Ligero** – On site compact Energy Management System that is rack or wall mountable in the building communications room. Full load balancing and energy tracking

**Faro Gateway Device or Existing Wi-Fi –**  
Ultra long range Faro handles communication and control for up to 128 EVSEs per Faro™

**Intelligent OCPP EVSEs –** sets optimal charging rate based on available power. 32A, 40A, 48A, 80A, and DC fast Charger compatible



## Specifications

<b>Installation</b>	Delivered on Standard 19" Rack for mounting in communication cabinet, or can be wall mounted. Comes assembled with all components	<b>Communications</b>	Cat 5e or Cat 6 Ethernet connections to Faro Access Points (up to 4 connections and 8 Faros). Can also use existing 802.11 Wi-Fi network
<b>Supply Voltage</b>	Standard 120 VAC 60 Hz 15A plug.	<b>Router</b>	TP Link metal housing smart router
<b>Shelf Envelope (W X H X D)</b>	Requires 2U in standard 19" Communication Rack 19" x 3.5" x 10" 48.3 cm x 8.9cm x 25.4 cm	<b>Controller</b>	Gigahertz-speed, high-capacity Unico Power Maestro™ Controller. Part #202001A
<b>Shelf Weight (Loaded)</b>	6.75 lbs 3.1 kg	<b>Power over Ethernet (PoE)</b>	TP Link 48V PoE powers up to 4 Faro Access Points
<b>System Operating Temperature</b>	Indoor use. Max 50° C Ambient	<b>Safety</b>	UL/CSA Listed devices
<b>Ventilation</b>	Passive Cooling	<b>Options</b>	Additional PoE can add 4 Faros. Fully upgradeable to full Cerebro EMS cabinet at any time