






Cerebro™
Energy Management System

True Energy Management for Electric Vehicles and More

Unico
POWER



True Energy Management Means:

-  Fully integrated Energy Management for Supply, Load, and Transaction Management
-  Cloud and On-Premise Components for Full Control at all Times
-  Minimized Infrastructure and Operating Costs Associated with Electric Vehicle Charging

Why Cerebro™?

Charge for Less

Cerebro automatically eliminates incremental demand charges by reducing EV charging loads during periods of high building demand.

Billing that Works For You

Flexible billing and administration options allow customers to define rates and payment mechanisms.

Designed for Building Needs

Each device can be configured with unique settings like maximum current and alerting thresholds. Devices can be re-configured remotely once installed.

Flexible and Forward-Thinking

Integrate with demand response and time-of-use programs to take advantage of the financial benefit.

Cerebro™ 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.



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

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Contact sales@unicopower.com



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



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



EMS Cabinet - Uses revenue grade meter(s) to monitor building electricity demand. Maestro™ controller adjusts EVSE load as necessary



Faro Gateway Device - Handles communication and control for up to 128 EVSEs per Faro™

Intelligent EVSEs - Intelligent LoRa radio network sets optimal charging rate based on building demand



Specifications

Enclosure Type	NEMA 1 locking cover and DIN Rail Mounted equipment	Meter	AcuRev 1312 Phase 60 Hz, Current Transformers up to 5,000 Amps
Cabinet Supply Voltage	120 VAC 60 Hz	Power over Ethernet	Up to 8 PoE Outputs.
Surge Protection	Leviton 47605-ACS J-Box Surge Protective Kit, Single AC Power Module	Connections	120 VAC or 208 VAC input. Cat 5e or 6 Ethernet with Internet connection.
Cabinet Dimensions (W X H X D)	20" x 16" x 6" 38.9 cm x 39.7cm x 9.4 cm	System Operating Temperature	Max 50° C Ambient
Cabinet Weight (Loaded)	10.9 kg (24 lbs)	Ventilation	Passive Cooling with Vented Cover
Router	TP Link	Mounting	Wall Mounted
Controller	Gigahertz-speed, high-capacity Maestro™ Controller. Part #202001A	Safety	UL/CSA Listed
		Options	Additional EKM Omnimeter II UL v.3 Meter(s), Additional Faros