LEOTEK LEVEL 2 EV CHARGER

EVL2 Series

32A, 40A & 48A SPECIFICATION DATA SHEET

Project	
Type	
Catalog No.	

Electric Vehicle Charging Station - Level 2

32A , 40A & 48A Specification Data Sheet

Residential, Retail, & Commercial Applications

EVL2 - POS

EVL2 - LPOS

Ordering Information

Sample Catalog No. EVL2-48A-ADV-WEL-J125-POS

Product Series	Output (PWR)	Product Display	Communication (COM)	Connector Type / Cable Length	POS (PAY) / Enclosure Rating
EVL2	**32A** - 32A / 7.6kW **40A** - 40A / 9.6kW **48A** - 48A / 11.5kW	**S** - OCPP[1] (No display)	**WE** ~ Wi-Fi + Ethernet	**J118** ~ SAE J1772, 18ft **J125** ~ SAE J1772, 25 ft **NC25** ~ NACS, 25ft	**Not available**
		ADV ~ OCPP[1] + ISO15118 + 3.5" Display	**WE** ~ Wi-Fi + Ethernet **WEL** ~ Wi-Fi + Ethernet + LTE (4G)		**LPOS** ~ Less POS, (RFID) **POS** – POS enabled (RFID, Contact & Tap-to-Pay Payment)

Accessories (Add-On)		AmpUp Subscription
CJ18 - 18ft J1772 Cable **CJ25** – 25ft J1772 Cable **CN25** - 25ft NACS Cable **CD** – Cable Dock **H1** – J1772 Holster **H2** - NACS Holster **10PK** – LEOTEK RFID Cards (10 pcs) **HB** – High Bollard	**SP** – Single Pedestal **DP** – Dual Pedestal[2] **SPR** – Single Pedestal (EZ Pull) **DPR** – Dual Pedestal (EZ Pull)[2] **CR** – Cable Retractor **F** – Foundation **WMG** – Wall Mount Guard	**C1** – Core Subscription (1 year)[3] **C3** – Core Subscription (3 years) **C5** – Core Subscription (5 years) **P1** – Pro Subscription (1 year)[3] **P3** – Pro Subscription (3 years) **P5** – Pro Subscription (5 years)

Note

1. Default protocol: OCPP 1.6J. OCPP 2.0.1 upgrade available.
2. Dual Pedestals require a second charger ordered separately
3. Automatically renew for successive 12-month terms unless either party provides written notice of non-renewal at least 30 days before the renewal date.

© 2026 LEOTEK Electronics USA LLC.

Project
Type
Catalog No.

Electric Vehicle Charging Station - Level 2

32A , 40A & 48A Specification Data Sheet

Residential, Retail, & Commercial Applications

General Specifications	
Input Rating (V) / Frequency (Hz)	208 / 240 Vac, 1Ø / 60Hz
Metering Accuracy	On power-board, ±1%
Real-Time Clock	Yes (min. 7 days)
Wi-Fi	802.11 b/g/n
Ethernet	YES
RFID	ISO 14443 A/B, ISO 15693, FeliCa
Display	3.5" LCD
Backend Protocol	OCPP 1.6J / OCPP 2.0.1 (Upgradable)
EV Protocol	ISO15118 Plug & Charge
Operating Temp	-30 ~ 50 °C (-22 ~ 122 °F)
Storage Temp.	-40 ~ 80 °C (-40 ~ 176 °F)
Mounting Type	Wall Mount / Pedestal
Impact Rating	IK10
Dimensions	8.74" (W) × 11.81" (H) × 3.82" (D)
Weight	15lb
Web Portal Management	Yes
Console Management	Yes
Certification	UL 1998 / 2231 / 2594, FCC Part 15B / 15C/ IC, ICES-003, CTEP, Energy Star

© 2026 LEOTEK Electronics USA LLC.

Project
Type
Catalog No.

Electric Vehicle Charging Station - Level 2

32A , 40A & 48A Specification Data Sheet

Residential, Retail, & Commercial Applications

General Specifications

The compact, low-profile EVL2 enclosure is engineered for municipal, utility, DOT, & commercial applications. The sleek design measures 8.74" (W) x 11.81" (H) x 3.82" (D) and with a total weight of 15 lbs including the cable, the unit is designed for a streamlined installation. Mounting provisions accommodate both standard wall mount and standalone pedestal applications to meet diverse site requirements across commercial and municipal applications. The standard enclosure is rated NEMA 4 for superior ingress protection against windblown dust and rain. Models configured with the integrated Point-of-Sale (POS) are rated at NEMA 3R.

Electrical Specifications

Standard units accept 208 / 240 VAC, single-phase input power and deliver a maximum of 32A/7.7kw to 48A/11.5kw of charging capacity. Precision on-power-board metering provides an accuracy rating of ±1% for reliable energy tracking and billing reconciliation. Electrical components are supported by a built-in real-time clock featuring a minimum 7-day power-loss backup to maintain operational synchronization.

Controls & Connectivity

Comprehensive network connectivity ensures continuous communication with backend systems. Standard (“S”) EVL2 models includes integrated Wi-Fi (802.11 b/g/n) and hardwired Ethernet. Advanced “ADV” EVL2 models feature embedded LTE Cat 1 cellular SIM Cards for reliable, low-latency connectivity across widespread regional deployments. Local user interface via a 3.5" LCD display and secure authentication via an integrated RFID module (compatible with ISO 14443 A/B, ISO 15693, and FeliCa standards) are exclusive to “ADV” models. Both “S” and “ADV” EVL2 configurations fully support Web Portal Management and local Console Management.

Integrated Payment Systems

Optional open-payment architecture incorporates an integrated ID TECH VP3300 Payment Terminal. Hardware is EMV (Europay, Mastercard, Visa) Level 1 and Level 2 security certified for payment security and verification. Physical payment interfaces are dual-zoned, featuring a side-mounted EMV contact/swipe module and a contactless reading zone located at the side of the unit. The terminal supports comprehensive payment options including EMV contact and contactless interfaces, alongside mobile wallet compatibility (Apple Pay, Google Pay, Samsung Pay). Integrated Value-Added Services (VAS) provisions support Apple VAS and Google Smart Tap for advanced loyalty, ticketing, and transit pass applications.

Transaction Processing & Integration

Direct credit card transactions (Pre-auth, Void, Complete Transaction) are processed via firmware integration with the ID TECH SDK. Financial data is transmitted securely via USB and RS-232 internal connectivity to primary processors, accommodating Worldpay (direct) or Worldnet (gateway) architectures. Note: specific reader hardware configurations are processor dependent. For closed-loop network applications, the terminal reads the card or device UID (via RFID, Apple VAS, or Google Tap) and relays data directly to the OCPP server for centralized network authorization.

Merchant Setup & Network Compatibility (Exclusive for ADV models)

Merchant onboarding and provisioning are facilitated via ID TECH, enabling the secure injection of the unique Merchant ID into the controller through OCPP. The integrated multi-protocol RFID reader maintains broad standard compliance, supporting Type A, Type B, Mifare (Standard, U, DesFire, SmartMX 1K & 4K, Ultralight C, Ultralight & EV1, DESFire EV1 4K, Plus), and FeliCa card architectures.

Network & EV Protocols

System architecture is fully compliant with modern open standards, utilizing OCPP 1.6J backend protocols, and is field-upgradable to OCPP 2.0.1 to ensure future-proof integration with expanding network management software. Vehicle-to-charger communication supports the ISO 15118 Plug & Charge protocol, streamlining the charging experience without requiring manual RFID or app-based authentication.

Operating Environment

Designed to withstand severe climatic variations, the charger is qualified to operate at ambient temperatures ranging from -30°C to 50°C (-22°F to 122°F). For logistics and inactive periods, the unit supports storage temperatures between -40°C and 80°C (-40°F to 176°F).

Vandal Resistance

Housing and vital user-facing components are impact rated to IK10, providing maximum mechanical protection against physical damage, blunt force, and vandalism in unmonitored public installations.

Listings/Ratings/Labels

Chargers are UL listed for safety and compliance conforming to UL 1998, UL 2231, and UL 2594. Electromagnetic compatibility (EMC) meets or exceeds FCC Part 15B / 15C/ IC, as well as ICES-003 requirements. Chargers are California Type Evaluation Program (CTEP) certified for commercial weights and measures compliance and is Energy Star® certified for optimized standby power consumption.

Warranty

3-year limited warranty is standard on electrical components excluding charging cable.

© 2026 LEOTEK Electronics USA LLC.

EV Charger Accessories

Output Connectors

NACS

SAE J1772 Type 1

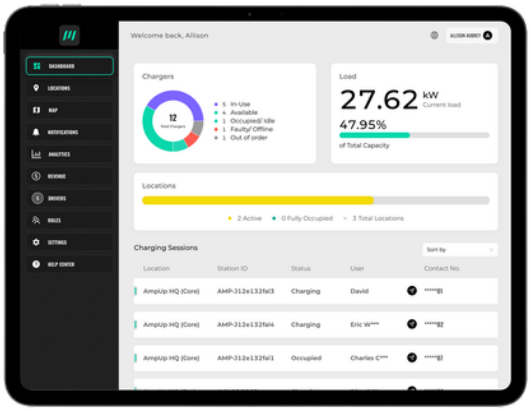
Single Pedestal

Dual EZ Pull Pedestal

Foundation

Cable Retractor

© 2026 LEOTEK Electronics USA LLC.
EVL2 Specification Sheet 6-22-26. All specifications are subject to change without notice.



ampUp

Feature Category	Function	Starter (Free Public Charging)	Core (Commercial Sites)	Pro (High-Demand Hubs)
Essentials	Driver Reservations	✓	✓	✓
	RFID Support	✓	✓	✓
	Remote Diagnostics	✓	✓	✓
	Analytics & Reporting	✓	✓	✓
	Location on Mapping Services	✓	✓	✓
	Public Charging Access	✓	✓	✓
Revenue & Access Control	Revenue Collection	–	✓	✓
	Driver Access Groups	–	✓	✓
	Multi-Site Management	–	✓	✓
	Multi-User Account	–	✓	✓
	Direct Deposit Payouts	–	✓	✓
Advanced Features	Offline Session Management*	–	–	✓
	Advanced Load Management	–	–	✓
	Fleet Management	–	–	✓
	Tiered Pricing Models	–	–	✓
	Time-of-Use Rates	–	–	✓
	Time-Based Access Control	–	–	✓
	Session Limits & Idle Fees	–	–	✓
	Session Start Fees	–	–	✓

© 2026 LEOTEK Electronics USA LLC.