# EVL2 Series

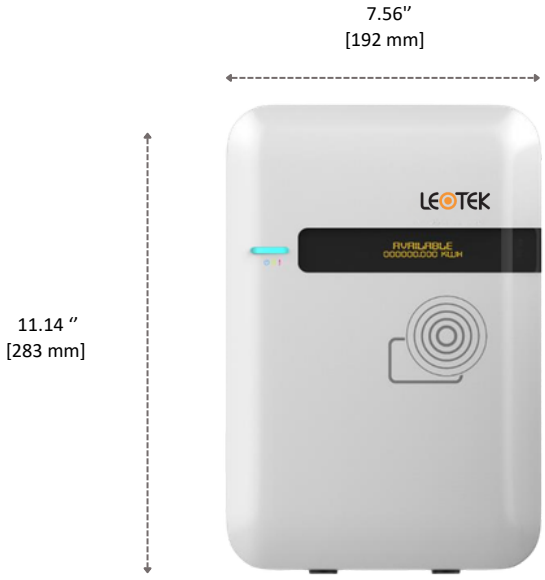
9.6KW (40A MAX.)  SPECIFICATION DATA SHEET

| | |
|---|---|
| Project | |
| Type | |
| Catalog No. | |

# Electric Vehicle Charging Station - Level 2

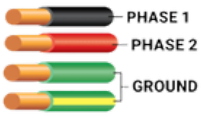
## **9.6kW (40A max.)** Specification Data Sheet

## Residential, Retail, & Commercial Applications



### Input Types

NEMA 6-50




Hardwired

### Output Connectors

AE J1772 Type 1

### Ordering Information

Sample Catalog No. EVL2-40A1-S-WE-J125

| Product Series | Output (PWR) | Product Display | Communication (COM) | Connector Type / Cable Length |
|---|---|---|---|---|
| **EVL2** | **40A1 -** 40A / 9.6kW | **S** - OCPP[1] | **WE** ~ Wi-Fi + Ethernet | **J125** ~ SAE J1772, 25 ft |

| Accessories (Add-On) | | AmpUp Subscription |
|---|---|---|
| **SP** – Single Pedestal<br>**DP** – Dual Pedestal2<br>**SPR** – Single Pedestal (EZ Pull)<br>**DPR** – Dual Pedestal (EZ Pull)[2]<br>**CR** – Cable Retractor<br>**F** – Foundation<br>**WMG** – Wall Mount Guard | **CJ18** - 18ft J1772 Cable<br>**CJ25** – 25ft J1772 Cable<br>**CN25** - 25ft NACS Cable<br>**CD** – Cable Dock<br>**H1** – J1772 Holster<br>**H2** - NACS Holster<br>**10PK** – LEOTEK RFID Cards (10 pcs)<br>**HB** – High Bollard | **C1** – Core Subscription (1 year)[3]<br>**C3** – Core Subscription (3 years)<br>**C5** – Core Subscription (5 years)<br>**P1** – Pro Subscription (1 year)[3]<br>**P3** – Pro Subscription (3 years)<br>**P5** – Pro Subscription (5 years) |

### Note

1. Default protocol: OCPP 1.6J.
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.

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| General Specifications | |
|---|---|
| **Input Rating (Voltage)** | 208 / 240 Vac, 1Ø |
| **Frequency (Hz)** | 60 Hz |
| **Output Current / Power (kW)** | 40A / 9.6kW |
| **Charging Connector** | SAE J1772 |
| **Charging Cable Length** | 25 ft |
| **Metering Accuracy** | Embedded, ±1%<br>Yes (min. 7 days) |
| **Real Time Clock** | Yes (min. 7 days) |
| **Wi-Fi** | Yes |
| **Ethernet** | Yes |
| **Display** | 5*8 DOT MATRIX |
| **Backend Protocol** | OCPP 1.6J |
| **Operating Temp.** | -30 ~ 50 °C / -22 ~ 122 °F |
| **Storage Temp.** | -40 ~ 70 °C / -40 ~ 158 °F |
| **Mounting Type** | Wall Mount / Pole mount (optional) |
| **Wiring Type** | NEMA 6-50 / Hard-wired |
| **Enclosure Rating** | NEMA 4 |
| **Imapact Resistance** | IK10 |
| **Weight** | < 6 kg(15lbs) |
| **Web Portal Management** | Yes |
| **Console Management** | Yes |
| **Certification** | UL 2231 / 2594, FCC Part 15B, Energy Star |

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## Residential, Retail, & Commercial Applications

### Housing & Construction

The compact, low-profile EVL2 40A1 Level 2 EV Charging Station is designed for residential applications requiring reliable AC charging performance with network-ready functionality. The unit measures approximately 7.56" W x 11.14" H x 3.11" D and weighs less than 13.2 lbs., supporting streamlined installation in wall-mounted applications, with optional pole-mount deployment where required. The enclosure is rated NEMA 4, providing protection against windblown dust and rain for indoor and outdoor installations. The charger housing is also rated IK10, offering strong mechanical protection against physical impact and vandalism in exposed environments.
Mounting provisions accommodate both standard wall mount and standalone pedestal applications to meet diverse site requirements across commercial and municipal applications.

### Electrical Specifications

The EVL2 40A1 model accepts 208 / 240 VAC, single-phase input power at 60 Hz and delivers a maximum output of 40A / 9.6 kW. The charger is supplied with a SAE J1772 connector and a standard 25 ft charging cable. Wiring options include NEMA 6-50 plug or hardwired installation, depending on site requirements.
The charger includes embedded power metering with ±1% accuracy, supporting reliable energy measurement for usage tracking and billing reconciliation. A built-in real-time clock provides a minimum 7-day backup, helping maintain operational synchronization during temporary power interruptions.

### Controls & Connectivity

The EVL-40A1 configuration supports networked operation through integrated Wi-Fi 802.11 b/g/n and Ethernet connectivity. This allows the charger to communicate with backend systems for monitoring, configuration, and remote management. The unit supports both Web Portal Management and Console Management, enabling site operators to manage charger settings and operational status.

### Network & EV Protocols

The EVL2 40A1 model supports OCPP 1.6J, enabling integration with compatible charging network platforms and back-office systems. This allows operators to remotely monitor charger status, manage charging sessions, and support network-based operational workflows.

### 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).

### Listings / Ratings / Labels

The EVL2 40A1 model is listed with the following certifications and ratings per the datasheet: UL 2231 / UL 2594, FCC Part 15B, and Energy Star.

### Warranty

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

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EV Charger Accessories

Single Pedestal

Dual EZ Pull Pedestal

Foundation

Cable Retractor

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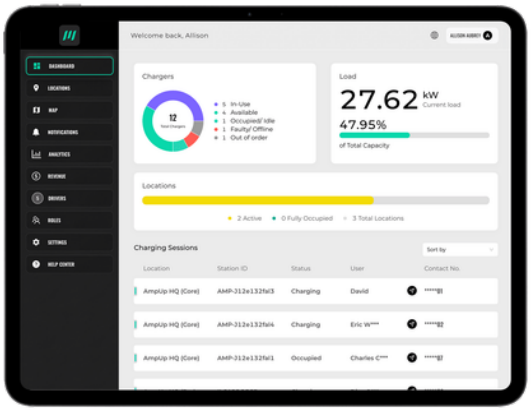
EVL2 Specification Sheet 6-22-26. All specifications are subject to change without notice.



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 | – | – | ✓ |

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