LINCOLN ELECTRIC LE-80

80A LEVEL 2 EV CHARGING STATION AND PEDESTAL SYSTEM



AC CHARGING BUILT FOR FLEET AND MUNICIPAL DEMANDS

The Lincoln Electric LE-80 80A AC Charging Offering is a Level 2 EV charging solution built for the demands of fleets, workplaces, public sites, and municipalities. With configurable 12A to 80A output, up to 19.2 kW at 240V, and flexible mounting options, it supports a wide range of deployment applications. Gateway networking allows one gateway unit to support up to nine additional ports, simplifying expansion and site management. Combined with RFID access control, over-the-air updates, dynamic load management (CMS dependent), and rugged indoor/outdoor durability, the LE-80 provides a flexible, future-ready charging platform built to support growing EV adoption.

Charging Type »
Level 2 AC Charging

Charging Power »
Up to 19.2 kW at 240V

AC Output Current »
12-80A adjustable / up to 19.2 kW

Connector »
J1772 SAE standard

Input Voltage »
208-240V AC +/- 10% (60Hz), Single-Phase

ENERGY STAR

BUILD AMERICA BUY AMERICA COMPLIANT

L2 Charger, Gateway 18 ft. Cable
K6152-1-C-18

L2 Charger, Non-Gateway 18 ft. Cable
K6089-1-C-18

L2 Charger, Gateway, 25 ft. Cable
K6152-1-C-25

L2 Charger, Non-Gateway, 25 ft. Cable
K6089-1-C-25

L2 2-port Pedestal
K6088-2

Cable Management Add-On
K6106-1

L2 Wall Mounting Hook and Holster
K6107-1

4-bolt retrofit Pedestal Adapter
K6108-1

Replacement Cover Plate
K6105-1

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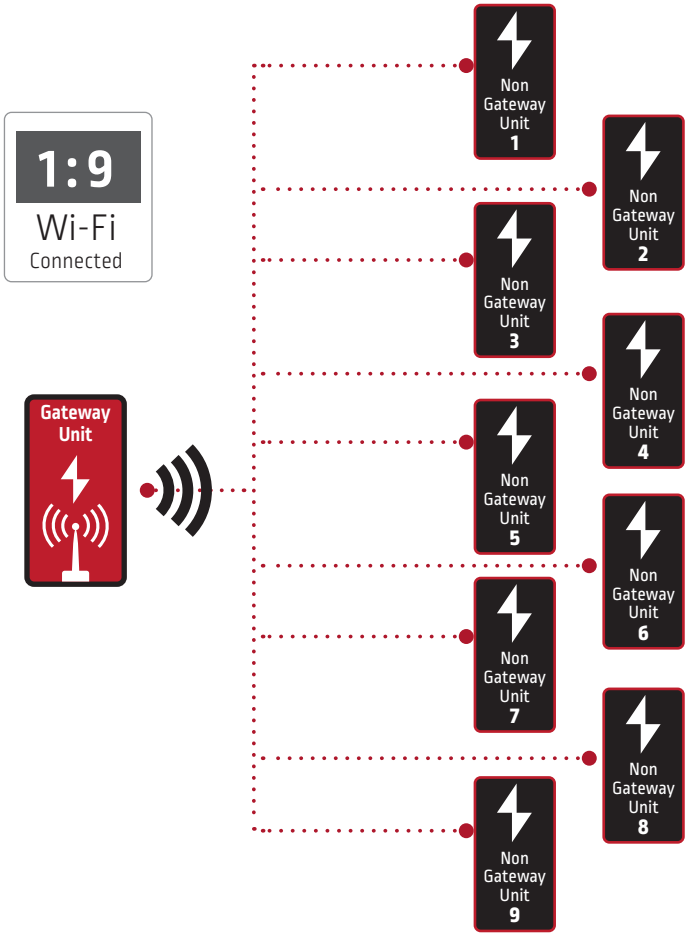
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KEY FEATURES

- **Flexible Site Design**
  Configurable current settings from 12A to 80A allow the charger to be adapted to available electrical capacity and site requirements.
- **Rugged Environments**
  NEMA 3R enclosure with -22°F to 122°F operating temperature enables indoor and outdoor charging locations.
- **Modular Serviceability**
  A modular faceplate design supports customization, upgrades, or service access in under five minutes.
- **BABA Compliant**
  Certified to Build America, Buy America requirements, helping unlock state and local programs and assuring domestically sourced products.
- **Placement Flexibility**
  Wall mount, pedestal mount, dual pedestal, and optional cable management configurations support diverse site layouts.
- **Warranty**
  Covered by a 2 -year standard parts and labor warranty

SCALABLE NETWORK DEPLOYMENT

Scalable Network Deployment
Gateway and non-gateway models allow one gateway unit to connect with up to nine non-gateway units for multi-charger sites.



DEPLOYMENT OPTIONS



Wall Mount
Compact mounting option allowing ports to be installed on existing walls or structural surfaces.



Dual Pedestal Configuration
Two-port EVSEs may be deployed on a shared pedestal to serve two vehicles simultaneously.



Optional Cable Management
Cable retractor configurations for high-traffic sites to help manage cable placement and reduce cord clutter.

SPECIFICATIONS

Specification	Detail
Connector and Cable	
Connector	Single SAE J1772
Cable Type	High-quality flexible cable
Cable Length Options	18 ft. or 25 ft.
Networking and Communications	
Unit Configurations	Gateway and non-gateway models available
Gateway Connectivity	Wi-Fi and LTE
Non-Gateway Connectivity	Wi-Fi only
Cellular	LTE CAT.M1
Wi-Fi	2.4GHz 802.11 b/g/n
Network Grouping	Connect up to nine non-gateway units to one gateway unit
Network Protocol	OCPP 1.6J
Firmware Updates	Over-the-air firmware updates
Environmental Ratings	
Enclosure Rating	NEMA 3R, indoor/outdoor use
Enclosure Standard	Meets UL 50E standard for enclosures
Operating Temperature	-22°F to 122°F / -30°C to 50°C
Storage Temperature	-22°F to 140°F / -30°C to 60°C
Humidity	95% RH non-condensing
Altitude	15,000 ft., per MIL-STD-810H, 500.6
Shock	Per MIL-STD-810H, 516.8
Vibration	Per MIL-STD-810H, 514.8
Standards and Compliance	
ENERGY STAR	Certified according to source specification sheet
OCPP	Open Charge Alliance / OCPP 1.6J
CTEP	California Type Evaluation Program
FCC	FCC Part 15
UL Standards	UL 2231-1, UL 2231-2, UL 2594, UL 991, UL 1998
Domestic Content	BABA compliant
User Interface and Access	
Authorization Methods	RFID, app-free guest charging, and mobile app access workflows
Display Dimensions	2.7 in. W x 1.5 in. H
Display Resolution	128 px x 64 px
LED Status	Green: available/preparing; Blue: charging; Yellow: booting/provisioning/ configuration/upgrading; Red: faulted/unavailable
Warranty	
2 Year Warranty	LE-80 parts and labor are covered for a 2 year period

PRODUCT SPECIFICATIONS

Product Name	Product Number	Output Current	Rated Voltage	Maximum Charging Power	Ground Fault Detection	Power Measurement Accuracy	Auxiliary Power Requirement	Ground Monitoring	Dimensions H x W x D in (mm)	Net Weight lb (kg)
LE-80	K6152-1-C-18 K6152-1-C-25 K6089-1-C-18 K6089-1-C-25	12A to 80A	208–240V AC at 60Hz	Up to 19.2 kW at 240V	20mA CCID with auto reset	+/- 1.0%	5.5kW for 35A	Open ground detection	Bracket 8.8 x 3.4 x 0.7 (223 x 86 x 18) Device 14.1 x 6.1 x 4.5 (358 x 155 x 114)	18 ft Cable: 17 (7.7) 25 ft Cable: 21 (9.5)

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CUSTOMER ASSISTANCE POLICY

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