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LEDVANCE

PHASE EV™

COMMERCIAL CHARGING STATION

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LEDVANCE PHASE EV™
COMMERCIAL CHARGING STATION

ADVANCED CONNECTIVITY A SEAMLESS CHARGING EXPERIENCE

Available in 48 Amp and 80 Amp versions, the next generation commercial charging station from LEDVANCE combines fast Level 2 charging, multiple languages, and a full menu of connectivity options, including WiFi, Ethernet, Bluetooth®, RFID, and optional 4G and ISO 15118.

The result: a dependable, easy-to-integrate charging solution for offices, multi-residential buildings, commercial, retail spaces, fleets, educational institutions, and municipal properties—delivering a user experience that keeps drivers not just powered up, but genuinely satisfied.

EASY TO INSTALL
SIMPLE TO USE
BUILT TO LAST

BENEFITS AND FEATURES

- Available in two power levels:
  - 48 Amp Level 2 fast charging with 11.5kW maximum power output
  - 80 Amp Level 2 fast charging with 19.2kW maximum power output
- 4.3" color LCD touch screen with large, bright LED status light
- Simple to install, commission and use, with versatile configurations available to meet almost any application
- Built-in WiFi and Ethernet connectivity; optional 4G module with Super SIM
- Optional ISO15118-2/3 modules for Plug & Charge operation with EVs that include ISO 15118 capability
- Optional NFC Reader for contactless tap and charge payments
- Standard wall mount, plus free-standing pedestal mounting option, including single or double charger mounting, with or without cable management systems

LEARN MORE
WATCH THE VIDEO

MENU OPTIONS FOR
ENGLISH, FRENCH OR SPANISH

CHARGELAB

CHARGING STATION MANAGEMENT SOFTWARE

A SOLUTION THAT YOU—AND YOUR DRIVERS—WILL LOVE

SUBSCRIBE TO A CHARGELAB CHARGING STATION MANAGEMENT SOFTWARE PLAN TO UNLOCK THE POWERFUL SITE MANAGEMENT TOOLS YOU NEED TO BUILD A SMART, PROFITABLE EV INFRASTRUCTURE

- Fast & easy deployment
- API access
- Dashboard
- 24/7 end-user support
- Monitoring
- Site administration
- Charger diagnostics
- Reports
- Notifications
- Firmware updates
- Security
- Access control
- Revenue collection
- Detailed pricing control
- Power management
- Vehicle management

CHARGELAB SOFTWARE GIVES EV DRIVERS ALL THE FEATURES THEY'RE LOOKING FOR

- Pay after you charge
- Simple, private account
- Track your usage
- Link your RFID card
- Set notifications
- Get help, 24/7
- Find places to charge
- Join a charging community

TAKE A CLOSER LOOK AT **LEDVANCE PHASE EV™**

Rugged hardware

NEMA 4 enclosure certified for indoor and outdoor use

IK08 impact protection

IP65 ingress protection

Large, bright LED status bar

Color changing bar shows status of the PHASE EV

Advanced connectivity

Standard WiFi, Ethernet and Bluetooth connectivity; optional 4G and ISO15118

Multiple languages

Easy-to-use LCD touch screen includes menu options for English, French and Spanish

RFID access

RFID allows for flexible, personalized charging options, including Plug & Charge operation

Convenient wiring

Bottom and back wiring input options; internal L1, L2, and Ground wire terminals ensure secure connections

NFC reader

Optional NFC reader for Tap & Charge contactless payments

25-foot Charge cable

SAE J1772 Type1 connector

SPECIFICATIONS

FEATURES AND FUNCTIONS	
Charging mode	Level 2
Vehicle connection	SAE J1772 (Type 1 connector)
Charging cable length	25ft
COMMUNICATION	
Wireless connectivity	Built-in WiFi (802.11 b/g/n/2.4GHz) / Bluetooth® / Ethernet / 4G (Optional)
Communication protocol	OCPP 1.6J / OCPP 2.0.1 ISO 15118-2/3 (Optional)
Firmware	Over-the-air (OTA) upgradeable firmware
USER INTERFACE	
LCD screen	4.3" Color LCD touch screen
Language options	English/French/Spanish
LED Status indicator	Dynamic LED light shows charging status: standby, vehicle connected, charging in progress, charging complete, fault indicator
Network provider (CPO)	ChargeLab / Compatible with multiple CPOs*
User authentication	RFID/QR code scan/CPO App/Free Plug & Charge configurable/Optional NFC Tap & Charge
ELECTRICAL DESIGN	
Power supply voltage	AC Level 2, 208/240V
Rated frequency	60Hz
Rated output current	48A Max or 80A Max
Selectable output current settings	48A: 8/16/24/32/40/48 Amps 80A: 8/16/24/32/40/48/56/64/72/80 Amps
Power output	48A: Max 11.5kW at 240 VAC 80A: Max 19.2kW at 240 VAC
Input connection	Hardwired – by licensed electrician 48A: wired through the bottom or through the back 80A: wired through the bottom of the charger Secure L1, L2, and Ground terminal blocks
Primary input wire gauge	48A: 6 AWG copper - Check with local regulations 80A: 3 AWG copper - Check with local regulations
Power requirements	208V (single phase), 240V (single phase)
Protection	UVP, OVP, RCD (CCID 20), SPD, OCP, OTP, Control Pilot Fault Protection
Ground fault protection	Yes, CCID 20
Surge protection	6kV
GENERAL DESIGN	
Environmental rating	NEMA 4 enclosure, IK08 impact protection
Ingress protection	IP65
Dimensions main enclosure (W x H x D)	15.83" x 9.61" x 4.64" (402 x 244 x 118mm)
Storage temperature	-40˚F to +185˚F (-40˚C to +85˚C)
Operating temperature	-40˚F to +122˚F (-40˚C to +50˚C)
Mounting	Wall Mount / Pedestal Mount (Optional)
Emergency shut off	Side mounted emergency shut-off/Reset button
METERING	
Accuracy	Embedded metering with +/– 1% accuracy Real Time Clock
CERTIFICATIONS AND STANDARDS	
Standards	cETLus, UL2594 compliant, UL991, UL1998, UL2231
EMC	FCC Part 15 Class B; CAN ICES-003(B)/NMB-003(B)
ENERGY STAR® (EVSE V1.1)	Yes
Warranty	3 Years Limited Product Warranty

*Contact your LEDVANCE sales representative for more information on alternative CPO networks

ORDERING GUIDE

Scan QR code
to access product specification sheet

ORDERING INFORMATION

ITEM #	ORDERING ABBREVIATION	DESCRIPTION
48 AMP CHARGING STATION		
75899	EVC/48A/LVL2/C2/OR	EV Charger, 48 Amp, Level 2, Commercial, Gen 2, Orange
75905	EVC/48A/LVL2/4G/C2/OR	EV Charger, 48 Amp, Level 2, 4G Module[1], Commercial, Gen 2, Orange
75900	EVC/48A/LVL2/ISO/C2/OR	EV Charger, 48 Amp, Level 2, ISO 15118 compliant[2], Commercial, Gen 2, Orange
75906	EVC/48A/LVL2/4G/ISO/C2/OR	EV Charger, 48 Amp, Level 2, 4G Module[1], ISO 15118 compliant[2], Commercial, Gen 2, Orange
75927	EVC/48A/LVL2/4G/CC/C2/OR	EV Charger, 48 Amp, Level 2, 4G Module[1], NFC Reader for contactless payments[3], Commercial, Gen 2, Orange
75901	EVC/48A/LVL2/ISO/CC/C2/OR	EV Charger, 48 Amp, Level 2, ISO 15118 compliant[2], NFC Reader for contactless payments[3], Commercial, Gen 2, Orange
75907	EVC/48A/LVL2/4G/ISO/CC/C2/OR	EV Charger, 48 Amp, Level 2, 4G Module[1], ISO 15118 compliant[2], NFC Reader for contactless payments[3], Commercial, Gen 2, Orange
80 AMP CHARGING STATION		
75902	EVC/80A/LVL2/C2/OR	EV Charger, 80 Amp, Level 2, Commercial, Gen 2, Orange
75915	EVC/80A/LVL2/4G/C2/OR	EV Charger, 80 Amp, Level 2, 4G Module[1], Commercial, Gen 2, Orange
75903	EVC/80A/LVL2/ISO/C2/OR	EV Charger, 80 Amp, Level 2, ISO 15118 compliant[2], Commercial, Gen 2, Orange
75925	EVC/80A/LVL2/4G/ISO/C2/OR	EV Charger, 80 Amp, Level 2, 4G Module[1], ISO 15118 compliant[2], Commercial, Gen 2, Orange
75928	EVC/80A/LVL2/4G/CC/C2/OR	EV Charger, 80 Amp, Level 2, 4G Module[1], NFC Reader for contactless payments[3], Commercial, Gen 2, Orange
75904	EVC/80A/LVL2/ISO/CC/C2/OR	EV Charger, 80 Amp, Level 2, ISO 15118 compliant[2], NFC Reader for contactless payments[3], Commercial, Gen 2, Orange
75926	EVC/80A/LVL2/4G/ISO/CC/C2/OR	EV Charger, 80 Amp, Level 2, 4G Module[1], ISO 15118 compliant[2], NFC Reader for contactless payments[3], Commercial, Gen 2, Orange

[1]See spec sheet regarding 4G installation

[2]ISO 15118-2/3 specifies the communication protocol between Electric Vehicles (EV) and the Electric Vehicle Supply Equipment (chargers). EV's equipped with 15118 capabilities are able to use public charging stations without the need to scan a QR code or RFID, download an App, or enter a credit card.

[3]Internal Nayax NFC Reader supports multiple contactless payment methods including EMV® L1 and L2, Apple Pay®, and Google Pay®

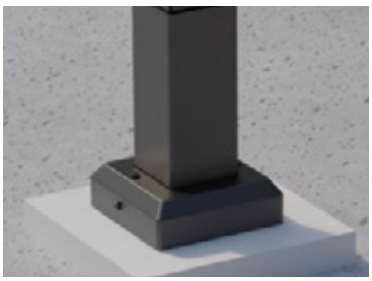
MOUNTING APPLICATIONS

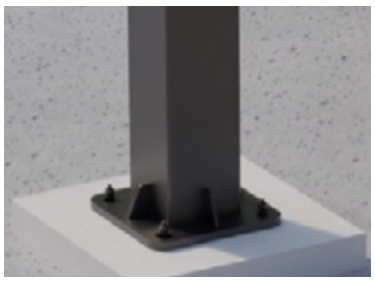
ACCESSORIES

ITEM #	ORDERING ABBREVIATION	DESCRIPTION
75916	EVPED1	Phase EV charger pedestal for mounting one Phase EV charger Mounting two chargers on the pedestal requires EVPED/2/KIT
75917	EVPED/2/KIT	Accessory kit to install two chargers on EVPED1
75918	EVPED/PLATE	Side-by-Side Plate for EVPED1 (also requires EVPED/2/KIT)
75919	EVPED/EXTENSION	Extension pole – required to add cable management units (EVPED/CABLE) to EVPED1 – does NOT include cable management system (EVPED/CABLE)
75920	EVPED/CABLE	Single cable management system unit WITHOUT extension – must be mounted to EVPED/EXTENSION One EVPED/CABLE is required for each charger installed on pedestal (e.g. two EVPED/CABLE are required for pedestals with two EV chargers on EVPED1)
75921	EVPED/COVER	Optional decorative cover for the base of EVPED1 – for use with all configurations of EVPED1

MOUNTING OPTIONS

PEDESTAL CONFIGURATION	REQUIRED ACCESSORIES
Single Charger – Wall Mounted	Included
Single Charger with Pedestal	75916
Back-to-Back Chargers with Pedestal	75916, 75917
Side-by-Side Chargers with Pedestal	75916, 75917, 75918
Single Charger with Pedestal and Cable Management	75916, 75919, 75920
Back-to-Back Chargers with Pedestal and Cable Management	75916, 75917, 75919, 2 × 75920
Side-by-Side Chargers with Pedestal and Cable Management	75916, 75917, 75918, 75919, 2 × 75920





Pedestal Base with and without optional decorative cover 75921

Scan QR code
to the view pedestal installation manual

MOUNTING APPLICATIONS

WALL MOUNT

SINGLE CHARGER WITH PEDESTAL

Accessories required: 75916
Accessories optional: 75921

SINGLE CHARGER WITH CABLE MANAGEMENT

Accessories required:
75916, 75919, 75920
Accessories optional: 75921

All Configurations shown with optional decorative base cover for EVPED1 – 75921

DOUBLE CHARGER, BACK-TO-BACK
Accessories required: 75916, 75917
Accessories optional: 75921

DOUBLE CHARGER, BACK-TO-BACK WITH CABLE MANAGEMENT
Accessories required: 75916, 75917, 75919, 2 × 75920
Accessories optional: 75921

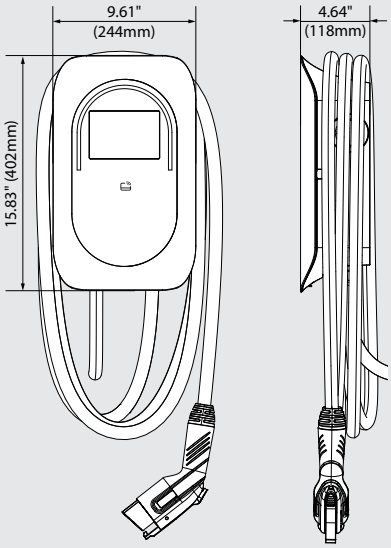
MOUNTING APPLICATIONS

DOUBLE CHARGER, SIDE-BY-SIDE
Accessories required:
75916, 75917, 75918
Accessories optional: 75921

DOUBLE CHARGER, SIDE-BY-SIDE WITH CABLE MANAGEMENT
Accessories required: 75916, 75917, 75918, 75919, 2 × 75920
Accessories optional: 75921

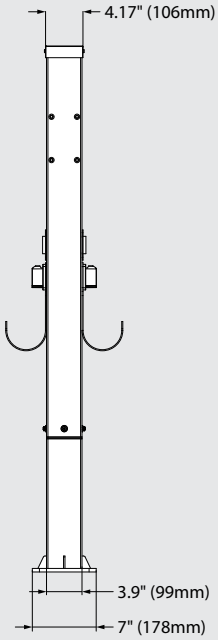
All Configurations shown with optional decorative base cover for EVPED1 – 75921

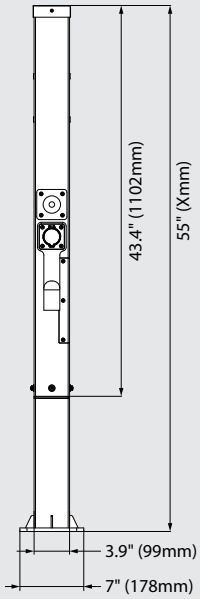
DIMENSIONS

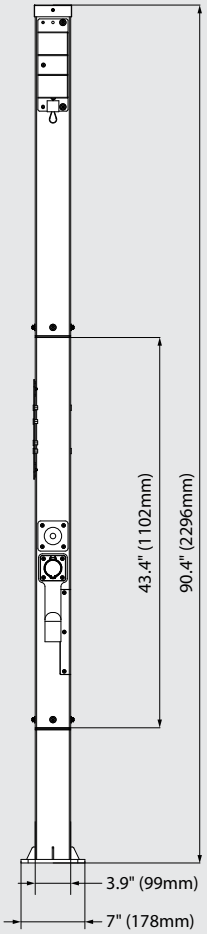


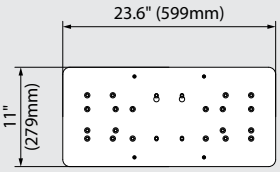
PHYSICAL INFORMATION

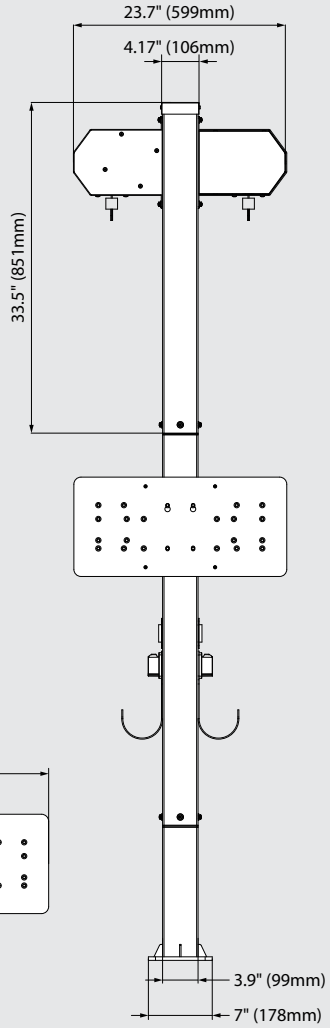
DESCRIPTION	HEIGHT IN (MM)	WIDTH IN (MM)	DEPTH IN (MM)	48 AMP WEIGHT LBS. (KG)	80 AMP WEIGHT LBS. (KG)
PHASE EV Charger with charging cable	15.83"(402)	9.61" (244)	4.64" (118)	19.51 (8.85)	21.38 (9.70)











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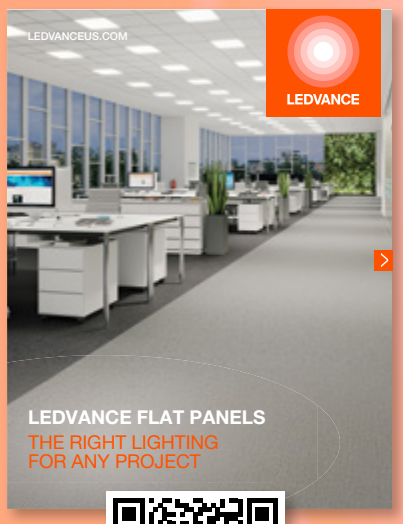

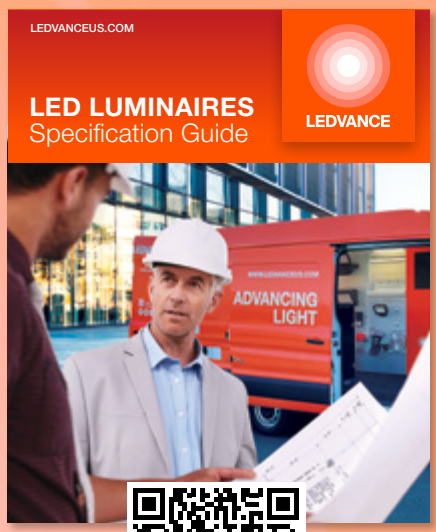

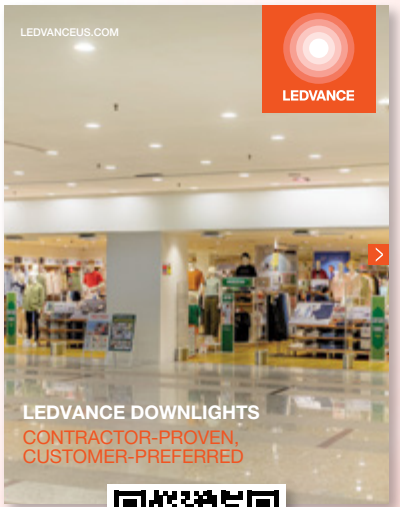

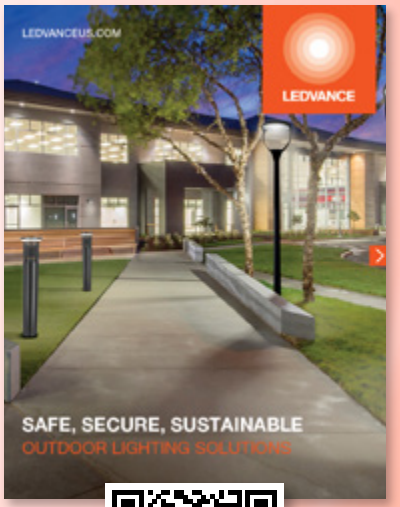

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With offices in more than 50 countries and business activities in more than 140 countries, LEDVANCE is one of the world's leading general lighting providers for professional users and end consumers. In North America, LEDVANCE LLC offers a wide range of SYLVANIA LED luminaires for various applications, intelligent lighting products for Smart Homes and Buildings, one of the largest LED lamps portfolios in the industry, and traditional light sources. Further information can be found at **www.ledvanceUS.com**.

LEDVANCE

LEDVANCE LLC
181 Ballardvale Street, Suite 203
Wilmington, MA 01887 USA
Phone: 1-800-LIGHTBULB
(1-800-544-4828)
www.ledvanceUS.com

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