



DC  
175kW

A Better Future with Better Charging

# EV Charger



Stylish Design



Dynamic Load Management  
of Multiple Chargers



High Quality  
24 inch Touch Display



Liquid Cooled CCS1 / NACS  
Charging Cable



UL Certified,  
RoHS Compliant



Made in USA



A Relaxing EV Charging Experience with Intuitive Design

# EV Charger

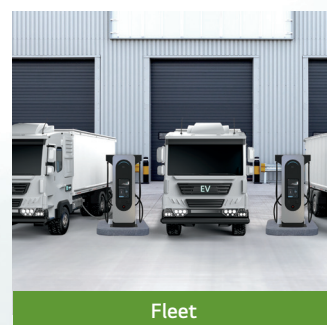
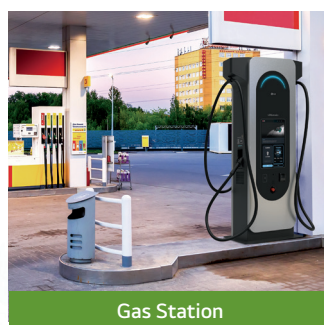
Featuring a stylish exterior, dynamic load management, and Multilingual\* display and audio guide. LG Electronics EV Charger is UL certified, RoHS complied, and made in the USA.

\* English, Spanish, French



※ This images simulated to enhance feature understanding. It may differ from actual use.

## Use Cases



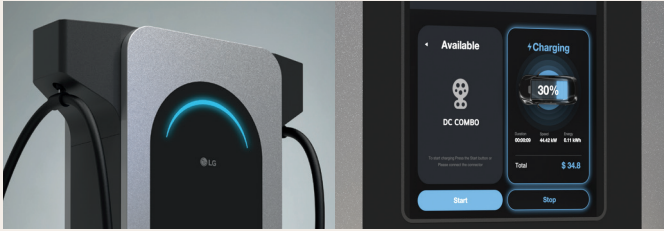
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## Ergonomic User Interface

### Stylish and Intuitive Design

Iconic track design : ergonomic user interface, partial eclipse LED indicator



### High Quality 24 inch Touch Display



## Enhancing Convenience for Various EVs

### Liquid Cooled CCS1 and NACS Cable

High current liquid cooled charging cables are provided with retractable cable management. Not only CCS1 but also NACS electric vehicle is able to be charged.



## Reliable Quality

### RoHS Compliance

For the safety of user, installer and the environment, LG charger restricts the use of certain hazardous substances designated by RoHS Directive\*.

\* Restriction of Hazardous Substance adopted by European Union directing restriction of the use of ten chemicals including Lead, Mercury, Cadmium.

### Made in USA

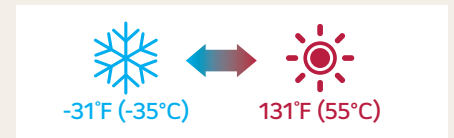
LG chargers are manufactured in the United States. The manufacturing prowess is rooted in extensive experience in large-scale production.

LG Electronics Texas Factory



### Safety and Reliability

Wide Temperature Reliable Charger



※ The operating temperature test was evaluated according to UL's testing standards

### High Ratings of Enclosure

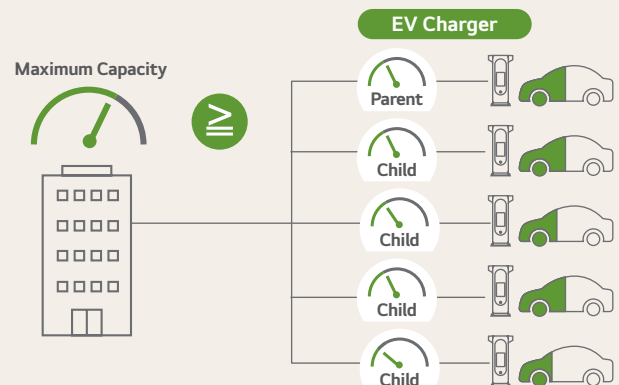
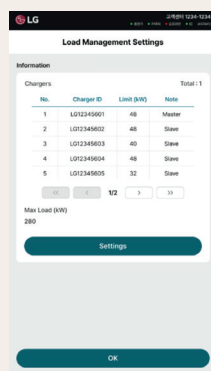


※ Display screen is IK08 grade.

## Efficient Management

### Dynamic Load Management of Multiple Chargers

Dynamic load management supports operator in effectively managing the electricity usage of a charging station within its maximum power limit based on site level communication among chargers.



## Technical Specifications

### 175kW Dispenser (EVD175SK-PN)

Electrical Characteristics	Max Output Power	DC 175kW
	Output Current	Up to 350A
	Output Voltage	DC 200 ~ 1,000V
Cable / Connector	Connector Type	CCS1, NACS
	Cable Length	18 ft (5.5 m)
Connectivity	Network	Ethernet (10/100 Mb/s) or LTE
	Protocol	OCPP1.6J (Upgradable to OCPP2.0.1 later)
	Software Update	USB and over-the-air (OTA) available
User Interface	Authentication / Payment	RFID, NFC
	Payment	Credit Card, Mobile Wallet
	Display	24 inch touch, 1,000 nit brightness, 1,920 × 1,080 FHD resolution
	Status Indication	Color LED, Audio
General Characteristics	Dimension (W x H x D)	27.2 x 86.6 x 15.7 in (690 x 2,200 x 400 mm)
	Weight	617 lbs (280 kg)
	Operating Temperature	-31°F ~ 131°F (-35°C ~ 55°C)
	Storage Temperature	-40°F ~ 158°F (-40°C ~ 70°C)
	Operating Altitude	Up to 6,560 ft (2,000 m)
	Humidity	< 95% Relative humidity, non-Condensing
	Enclosure Rating	IP55, NEMA 3R, IK10 (IK08 screen)
Protective Function		Over current, Over voltage, Under voltage, Over temperature, Short circuit, Surge, Ground fault, Emergency stop button, Physical impact, Water leakage, Door open detection, Door lock
Certification and Standard		UL/cUL, FCC Class A, ISO15118*, NEVI**, NTEP/CTEP**, RoHS, Energy Star**, ADA***
Warranty		2 year standard warranty, additional 1 to 3 years extension available

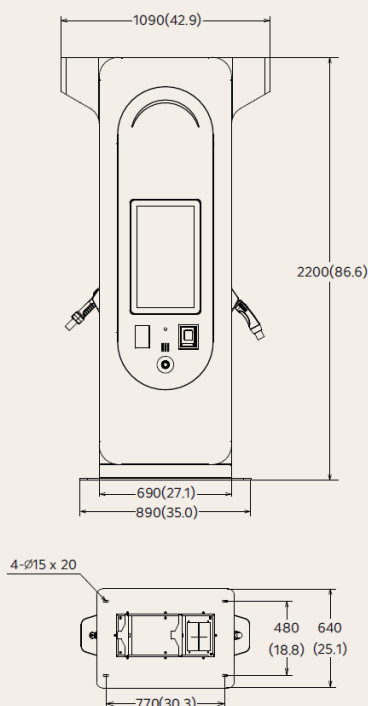
\* Hardware ready \*\* Coming soon \*\*\*Device level supported

### 175kW Power Cabinet (EVP175NK-NN)

Electrical	Max Output Power	DC 175kW
Characteristics	Output Current	Up to 350A
	Output Voltage	DC 200 ~ 1,000V
	Input Voltage	AC 3P 480V, 60Hz
	Power Factor	> 0.99 at full load
	Efficiency	> 95% at full load
General Characteristics	Dimension	30.7 x 78.7 x 30.4 in (780 x 2,000 x 774 mm)
	Weight	888 lbs (403 kg)
	Operating Temperature	-31°F ~ 131°F (-35°C ~ 55°C)
	Storage Temperature	-40°F ~ 158°F (-40°C ~ 70°C)
	Operating Altitude	Up to 6,560 ft (2,000 m)
	Humidity	< 95% Relative humidity, non-Condensing
Enclosure Rating		IP55, NEMA 3R, IK10
Protective Function		Over current, Over voltage, Under voltage, Over temperature, Short circuit, Surge, Ground fault, Emergency stop button, Physical impact, Water leakage, Door open detection, Door lock
Certification and Standard		UL/cUL, FCC Class A, ISO15118*, NEVI**, NTEP/CTEP**, RoHS, Energy Star**, ADA***
Warranty		2 year standard warranty, 1 / 2 / 3 year extension available

## Mechanical Dimensions

### Dispenser



### Power Cabinet

