



LG

User Manual

Electric Vehicle Charger

Read the “Safety Precautions” before use to ensure safe operation. After reading the user manual, store it in an accessible place for easy reference.

EVD175SK-PN + EVP175NK-NN

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Open Source Software Notice Information

To obtain the source code that is contained in this product, under GPL, LGPL, MPL, and other open source licenses that have the obligation to disclose source code, and to access all referred license terms, copyright notices and other relevant documents, please visit <https://opensource.lge.com>.

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to opensource@lge.com.

This offer is valid to anyone in receipt of this information for a period of three years after our last shipment of this product.

PRE-CHECK INFORMATION

- The information provided in this document includes general descriptions or technical characteristics of the included product.
- This document is not intended to be used or replaced for specific users who wish to determine the suitability or reliability of this product.
- Users or those responsible for this product need to know correct usage and perform risk assessment in advance, and evaluation and testing related to specific applications or use of the product are required.
- Please inform us if there are errors or modifications needed in this document.
- To install and use this product, safety regulations of the relevant country and region must be strictly complied with.
- For safety reasons and compliance with documented system data, only the manufacturer is obliged to repair parts. Proper training is necessary to use the product in accordance with technical safety requirements.
- Failure to use the software of our hardware products accurately can lead to injuries, damage, or operational errors.

SIGNS ON THE EVSE

- Please read the manual carefully before installation, operation, and maintenance of the product. The following messages will appear throughout the document to warn of potential dangers or provide information for explaining procedures.

Warnings and Dangers

	<i>This is a safety prevention symbol.</i> Caution: If these safety precautions are not followed, injuries or damage can occur.
	<i>Hazard signs relate to high voltage matters.</i> If the safety rules and instructions in this manual are not adhered to, death or serious injury could occur due to electric shock and burns.

Symbols

	Ground for field wiring
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IMPORTANT SAFETY INSTRUCTIONS

WARNING

This manual contains important instructions for Models (EVD175SK-PN+EVP175NK-NN) that shall be followed during installation, operation and maintenance of the unit.

- 1 Read all the instructions before using this product.
- 2 This device should be supervised when used around children.
- 3 Do not put fingers into the electric vehicle connector.
- 4 Do not use this product if the flexible power cord or EV cable is frayed, has broken insulation, or any other signs of damage
- 5 Do not use this product if the enclosure or the EV connector is broken, cracked, open, or shows any other indication of damage.
- 6 **First, read this:** This document includes important safety information. Before repairing or performing any maintenance in case of malfunction, read the entire manual first.
- 7 **Qualified personnel:** The charger must be installed, disassembled, or inspected by an electrician in accordance with the electrical regulations of the relevant area. The information in this manual does not alleviate the reader's responsibility for local safety regulations and standard regulations.
- 8 **Electric shock accident:** There can be a potential risk of fatal electric shock accidents. Inspection of the product's interior must be performed exclusively by a certified electrician.
- 9 **Do not modify:** Do not arbitrarily modify the charger. Doing so will void the warranty period and could result in a fatal electric shock or fire.

INSTRUCTIONS PERTAINING TO A RISK OF FIRE OR ELECTRIC SHOCK

- To prevent the risk of fire or electric shock accidents, please read and follow these safety precautions and operating procedures carefully.
- There is a risk of electric shock. Do not connect the electric vehicle and the charger before the inspection. Just turning off the charger does not reduce the risk.
- Do not touch the non-insulated parts of the output connector. There could be a serious risk of electric shock.
- Do not use a connector with exposed damaged wires or a damaged connector. Replace all damaged parts with new ones before operation.
- Do not disassemble the charger. Have it inspected by a certified technician. Incorrect assembly can cause an explosion, electric shock, or fire.
- Never use the charger if the vehicle's inlet or charger connector is wet.
- Do not install or operate with wet hands. There is a risk of electric shock.
- Cut off both the DC and AC power before opening the charger's case. Contact with electrically live parts of the charger can lead to electric shock accidents, serious injuries, or even death.
- Perform grounding work according to national electrical safety standards and local electrical safety standards. Not grounding properly can lead to fatal electric shock accidents.

CAUTION

- Ensure the charger connector is free from water, humidity, or foreign substances.
- Do not place the charger near flammable materials during use. Keep it away from carpets and cluttered workspaces.
- Blocking the air inlet may cause the charger to overheat.
- Educate children to prevent them from playing with the device.
- Users are responsible for adhering to national and local electrical safety standards in the area where the device is installed.
- Do not connect or disconnect the connector while charging. Doing so damages the connector, and may damage the charger or cause the battery to explode.
- Do not operate the charger with the panel removed or the door open.
- If the charger is dropped, suffered a severe shock or any other type of damage, do not operate it. Call a service manager.
- In dusty environments, more frequent maintenance is required for maximum device lifespan and optimal performance.
- Do not use the charger during heavy rain or lightning.
- **Electric shock accident:** There is a risk of electric shock. Hazardous electrical energy is stored in the capacitor. Even if the electric supply to the charger is cut off, do not open the charger case for at least 5 minutes after disconnection.
- Ensure that the power supply to the charger is off before proceeding with charger maintenance procedures.

• WARNING

- *GROUNDING INSTRUCTIONS : This product must be connected to a grounded, metal, permanent wiring system, or an equipment grounding conductor must be run with the circuit conductors and connected to the equipment grounding terminal or lead on the product*

SAVE THESE INSTRUCTIONS

MOVING AND STORAGE INSTRUCTIONS

EVD175SK-PN + EVP175NK-NN

For maximum performance, please read the following instructions.

Transportation and Delivery

Take care when transporting the product with a forklift or pallet jack. Ensure the forklift's forks are sufficiently inserted inside the pallet to prevent accidents during transportation.

Storage

Before installing and powering the charger, ensure that the product is stored in a clean and dry environment at a temperature of -40 °C to 70 °C (-40 °F to 158 °F). The charger must always be stored upright in a box during cargo loading. This protects the charger from dust and scratches. The charger must be stored in a protected location to avoid damage. Do not stack other items on top of it.

CHARGER SPECIFICATIONS

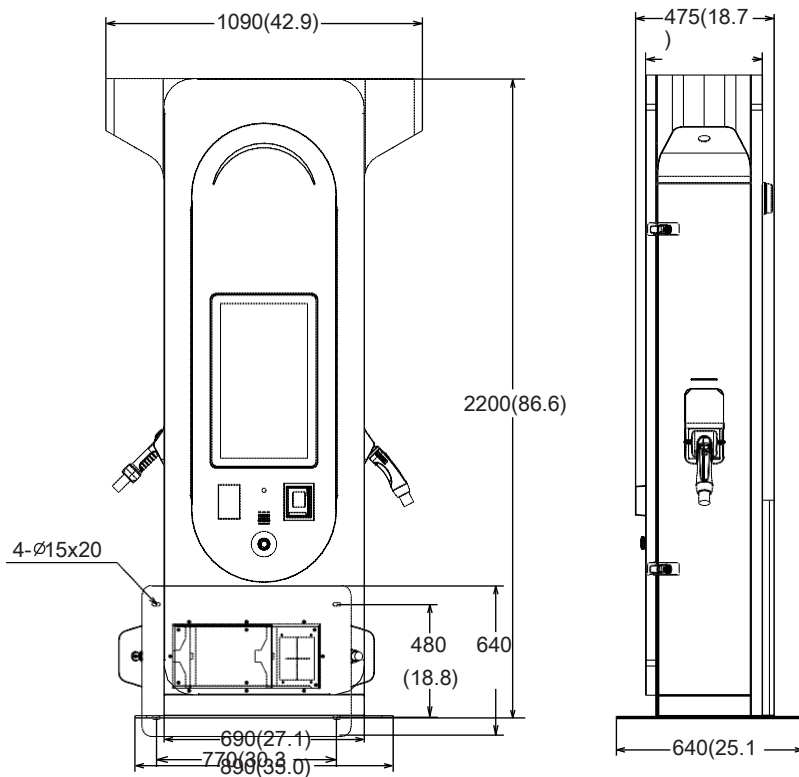
Model		EVD175SK-PN + EVP175NK-NN		
Category		Dispenser (EVD175SK-PN)		Power Bank (EVP175NK-NN)
Size (Width x Height x Depth) (mm) (inches)		1,090 x 2,200 x 640 (42.9 x 86.6 x 25.1)		780 x 2,000 x 988 (30.7 x 78.7 x 38.8)
Weight (kg) (lbs)		190 (418.8)		400 (881.8)
AC Input	Voltage	-		3-phase 3-wire system (480 V) 1-phase 2-wire system (277 V)
	Frequency	-		60 Hz
	Power Factor	-		0.96
DC Output	Max Voltage	200 Vdc~1,000 Vdc		-
	Max Current	Max. 350 Adc		-
	Max Capacity	175 kW(@ 800 Vdc)/ 140 kW(@ 400 Vdc)		-
Efficiency		95% or higher		
IP Rating		IP 55		
Operating Temperature		-35 °C ~ 55 °C (-31 °F to 131 °F)		
Operating Humidity		< Rh95 % (Non-condensing conditions)		
Storage Temperature		-40 °C~ 70 °C (-40 °F to 158 °F)		
Storage Humidity		< Rh95 % (Non-condensing conditions)		
Protection Features		Over Voltage Protection, Reverse Voltage Protection, Circuit Breaker In Case Of Over Current, Over Temperature Protection, Flooding Protection, Door Open Sensing, Emergency Switch		
User Authentication / Payment		RFID, QR, Credit Card		
Display Device	60 cm (23.6 inches) Touchscreen	Charging Power Elapsed time Remaining Time	Fault Details Charge Status (SoC)	-
	Charging Status LED Indicator	Standby: Blue Charging: Green Dimming Fully Charged: Green Dimming Error: Red Dimming		-

Model		EVD175SK-PN + EVP175NK-NN
Charge Type	Format	UL2202
	Connector (1CH)	CCS1 (Combo1)
	Connector (2CH)	NACS
Voice Guidance	Speaker	Audio output (5 W)
Certification		UL/cUL, FCC Part 15 Class A, Energy Star

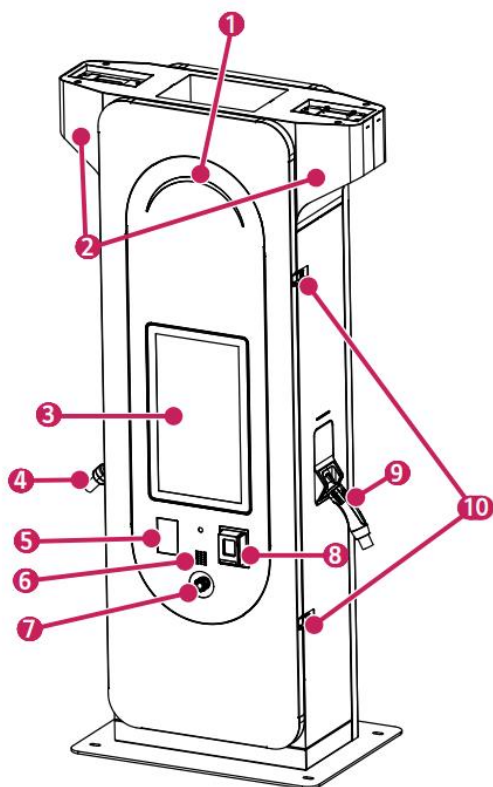
MECHANICAL CHARACTERISTICS

Dispenser Size

[Unit : mm(inches)]



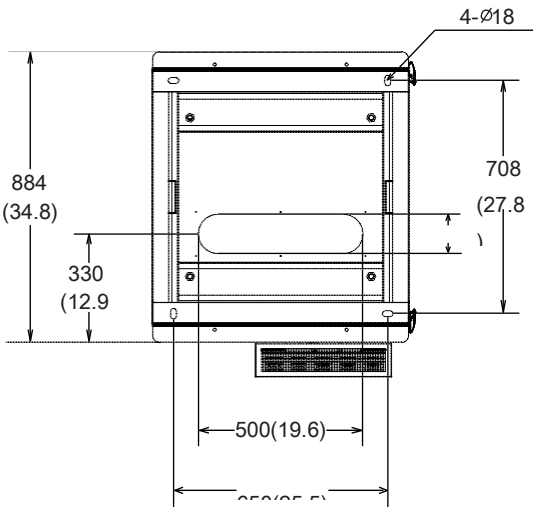
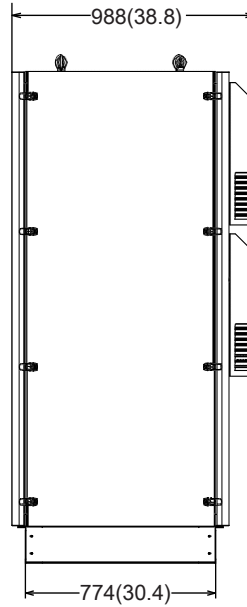
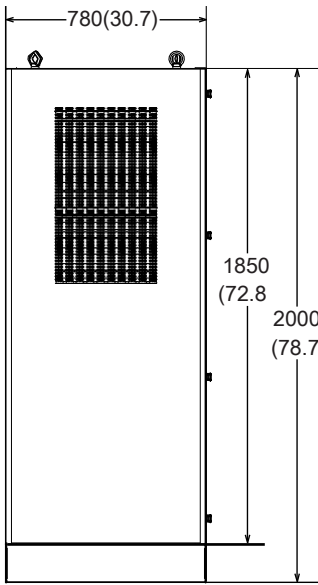
Dispenser Exterior



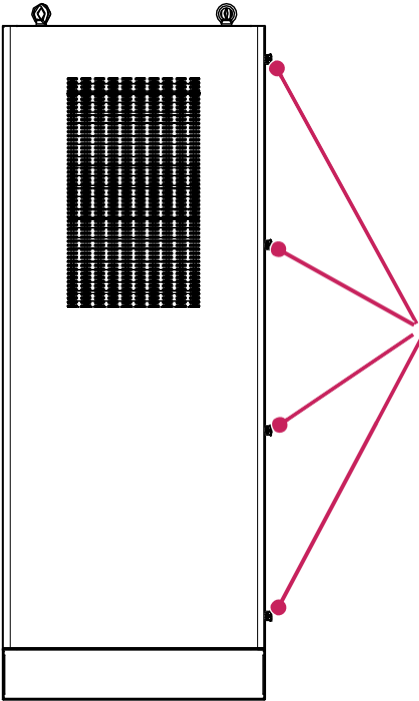
- ① Charging Status LED
- ② Retractor
- ③ 60 cm (23.6 inches) touch screen
- ④ CCS Connector
- ⑤ RFID Module
- ⑥ Speaker
- ⑦ Emergency Stop Switch
- ⑧ Card Reader
- ⑨ NACS Connector
- ⑩ Locking

Power Bank Size

[Unit: mm (inches)]



Power Bank Exterior

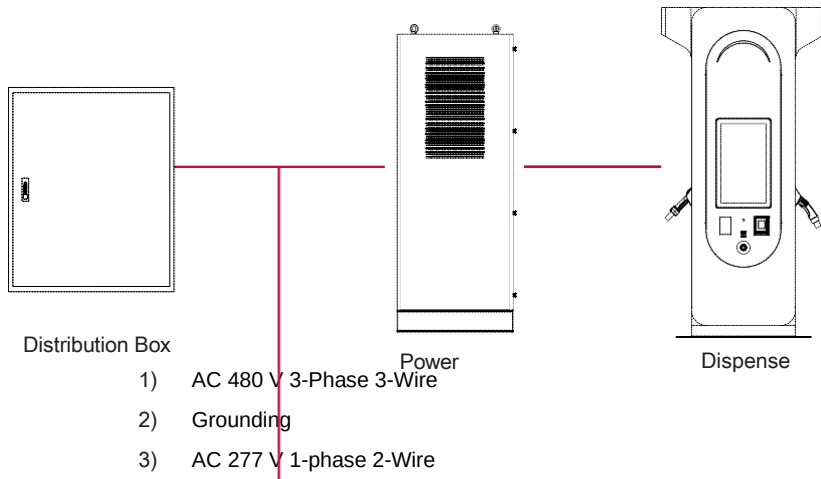


Locking

Combination of Dispenser and Power Bank Connection

1 Dispenser 175 kW / 1 Power Bank 175 kW Connection

- 1) DC Output Cable (+/-)
- 2) Grounding: Choose cable with correct capacity
- 3) LAN cable (Direct Type)
- 4) DC 24 V, GND cable



! NOTE

- The LAN cable is not for network communication but for CAN communication and emergency stop signal transmission between the power bank and dispenser.

ASSEMBLY INSTRUCTIONS



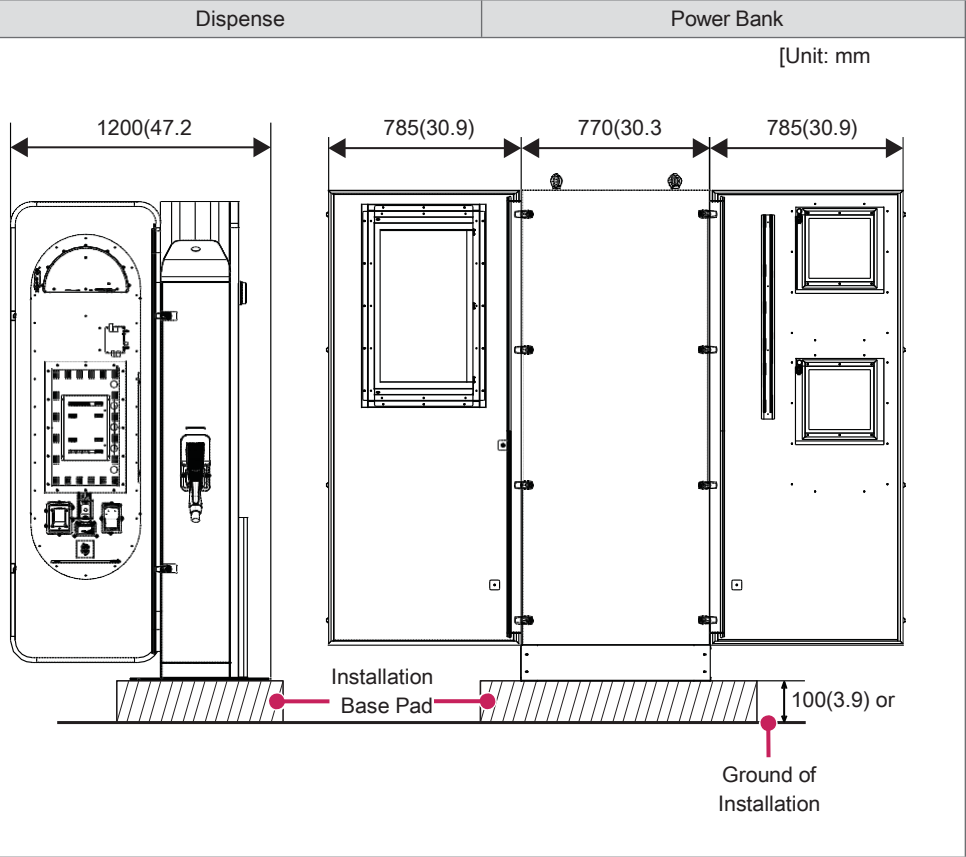
- Install the charger on a non-flammable pad (concrete, stone, brick, etc.) at least 100 mm (3.9 inches) above ground level. (See the diagram below)
- Do not expose the charger to rain, high temperatures, dust, corrosive gases, flammable substances or explosive gases.
- When removing packaging wrap, take care not to damage the product with a knife (or sharp tool).
- During installation, make sure to remove the simple manual attached inside.

Installation Location

- For optimal performance and maximum lifespan, choose your installation location carefully. Operational lifespan and performance are affected by the location of the charger.
- Choose a dry area with good ventilation.
- Place the product approximately 30 cm (11.8 inches) away from the wall for adequate ventilation.
- To reduce the risk of fire, install the charger on a non-combustible surface made of concrete, stone, brick, or iron.
- Do not block the front of the charger.

! NOTE

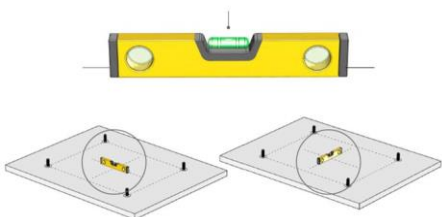
- Ensure space for door opening between the dispenser and power bank. (See the dimensions in the diagram below)



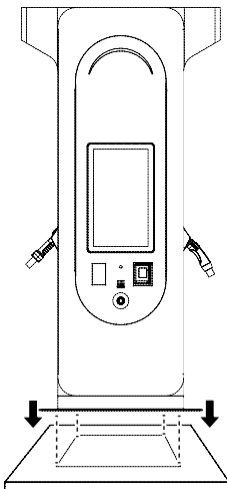
Installation Process (Dispenser)

Make sure to secure the charger to the concrete floor as follows.

1 Align the channel base.



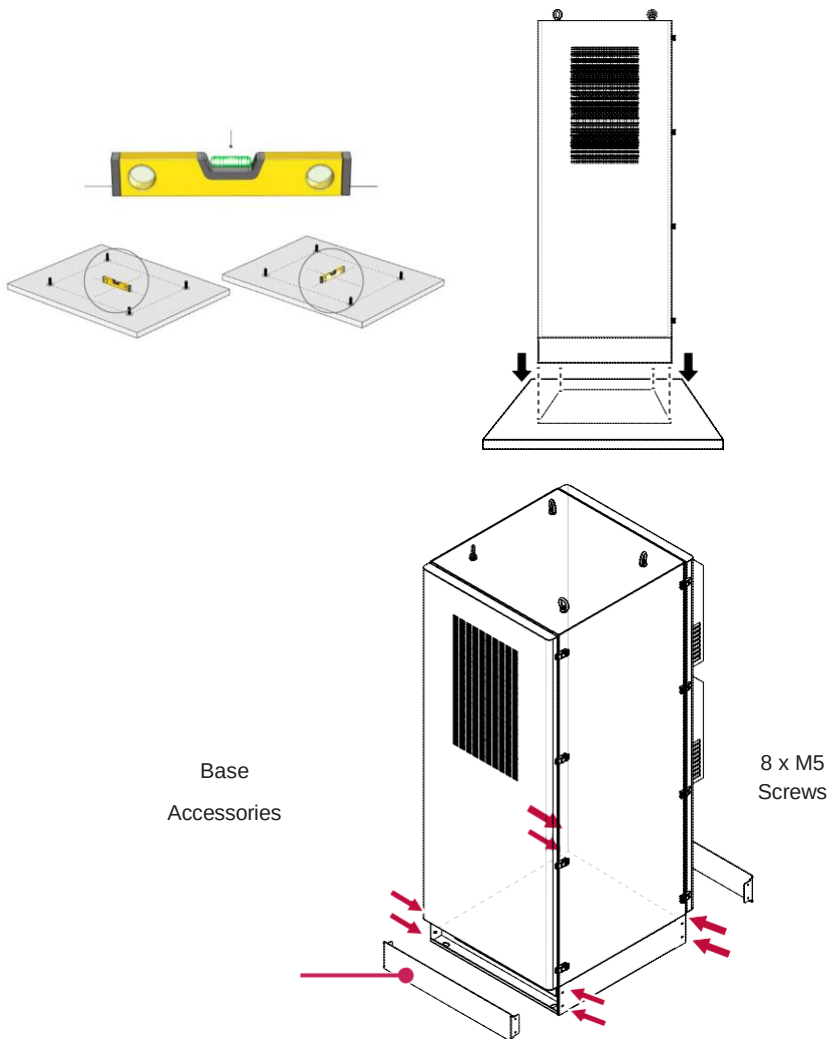
2 Align the dispenser with the base frame and secure the charger to the base frame with 4 x M10 nuts and washers.



Installation Process (Power Bank)

Make sure to secure the charger to the concrete floor as follows.

- 1 Align the channel base.
- 2 Align the charger (with stand) with the base frame and secure the charger to the base frame with 4 x M16 nuts and washers.



External Wiring Procedure

Connect the wiring of the power bank according to the following procedure.

- 1 Ensure the AC power device's breaker (MCCB or ELCB) is turned off.
- 2 Ensure the AC input is 0 V.
- 3 Remove the plastic cover from the power circuit breaker.
- 4 Connect the AC input wire conductor to the input connection terminal.
- 5 Connect the grounding conductor to the connection terminal.
- 6 For IP55 compliance, use waterproof paste on input wires coming into the bottom of the charger.
- 7 Do not forget to cover behind the circuit breaker with a plastic cover.

! NOTE

- For charger installation, the cross-sectional area of the input wires must be at least 95 mm² for the power bank and 150 mm² for the dispenser.

Grounding Work

This product must be grounded in accordance with the regulations and laws of the relevant region to a permanent wiring system or equipment grounding conductor.



Improper connection of the grounding conductor can result in the risk of electric shock.

Electrical network type

Available Electrical network type

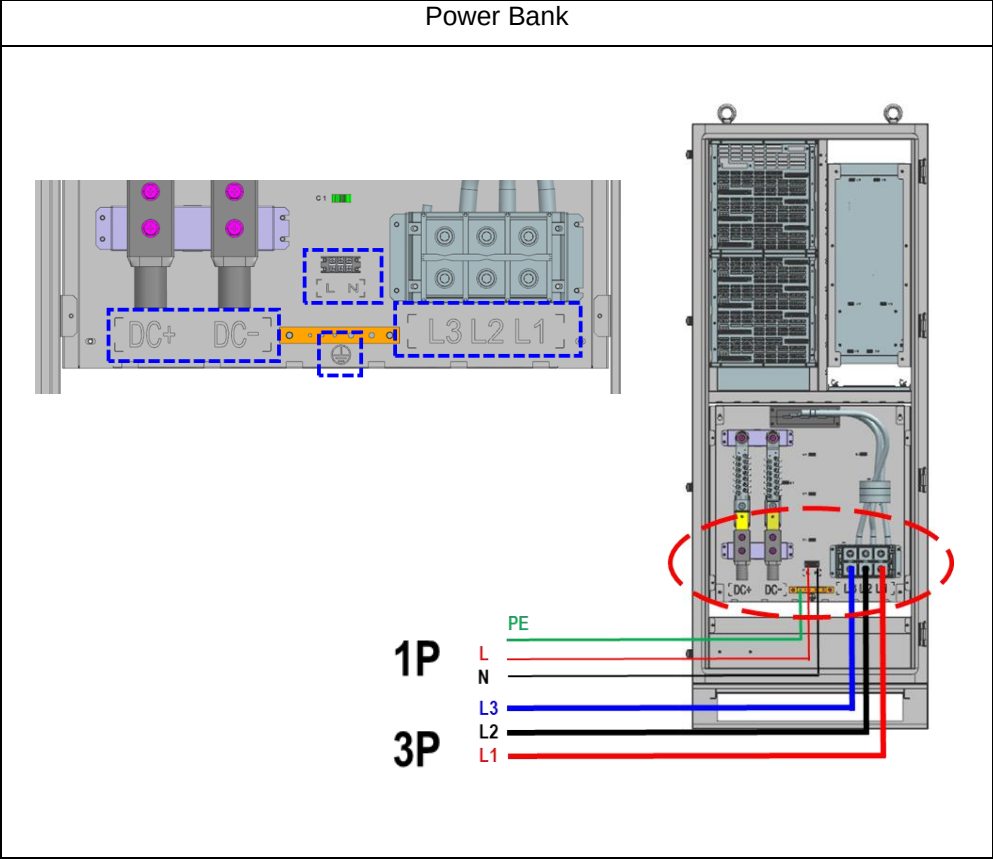
Electrical network type	Voltage	Picture
WYE Network	3-phase 3-wire 480 VAC±10% 1-phase 2-wire 277 VAC±10%	

! NOTE

- The AC input power cable is not included with the charger.
- The cable specifications should be determined based on the distance between the distribution panel and the charger, according to the conditions of the installation work.
- The disconnect switch should be installed inside the distribution panel of the installation location.
- For charger installation, the cross-sectional area of the grounding wire must be at least 50 mm² for the power bank and 70 mm² for the dispenser.

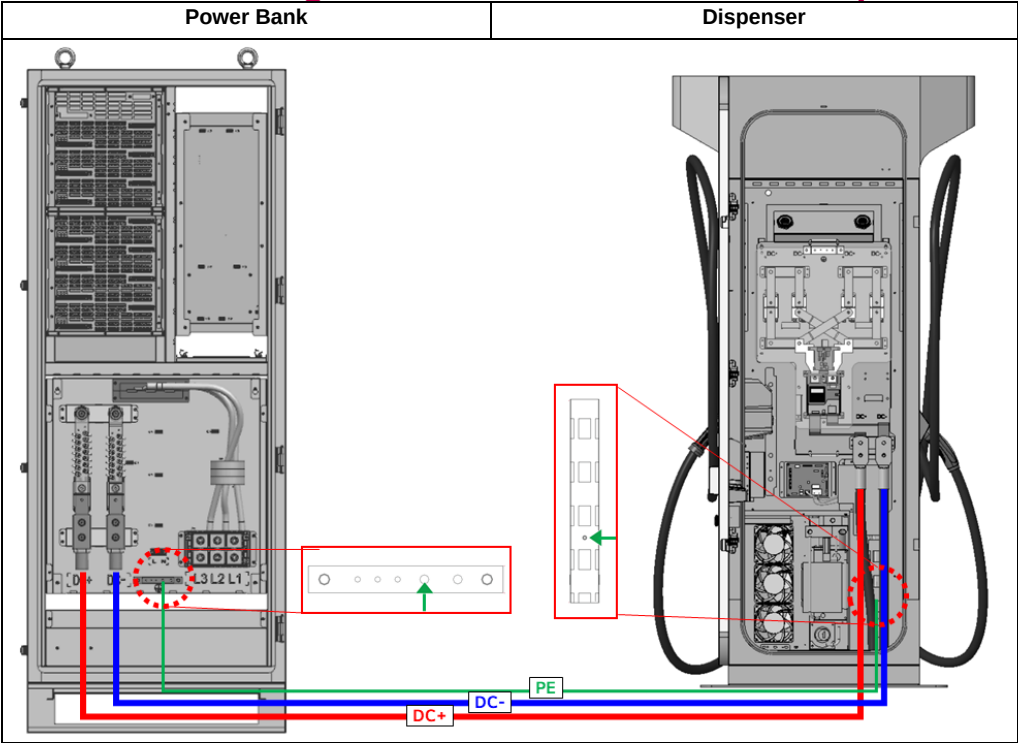
Wiring Power Bank

ENGLIS



Parameter	L1/L2/L3	L/N	PE
Wire Size for the terminal block plug	600 Kcmil	AWG 14 / 2.58 Kcmil	AWG 1/0 / 105.56 Kcmil
Stub Size for the terminal block plug	13mm	4mm	8mm
Material	Oxygen Free Copper	Oxygen Free Copper	Oxygen Free Copper
Manufacturer	Under Searching	Under Searching	Under Searching
Type	Under Searching	Under Searching	Under Searching
Shape	Circular Type	Circular Type	Circular Type
Tightening Torque	339lbf.in / 390kgf.cm / 38.2N.m	69lbf.in / 79kgf.cm / 7.7N.m	162lbf.in / 187kgf.cm / 18.3N.m

Method of Wiring Between Power Bank and Dispenser

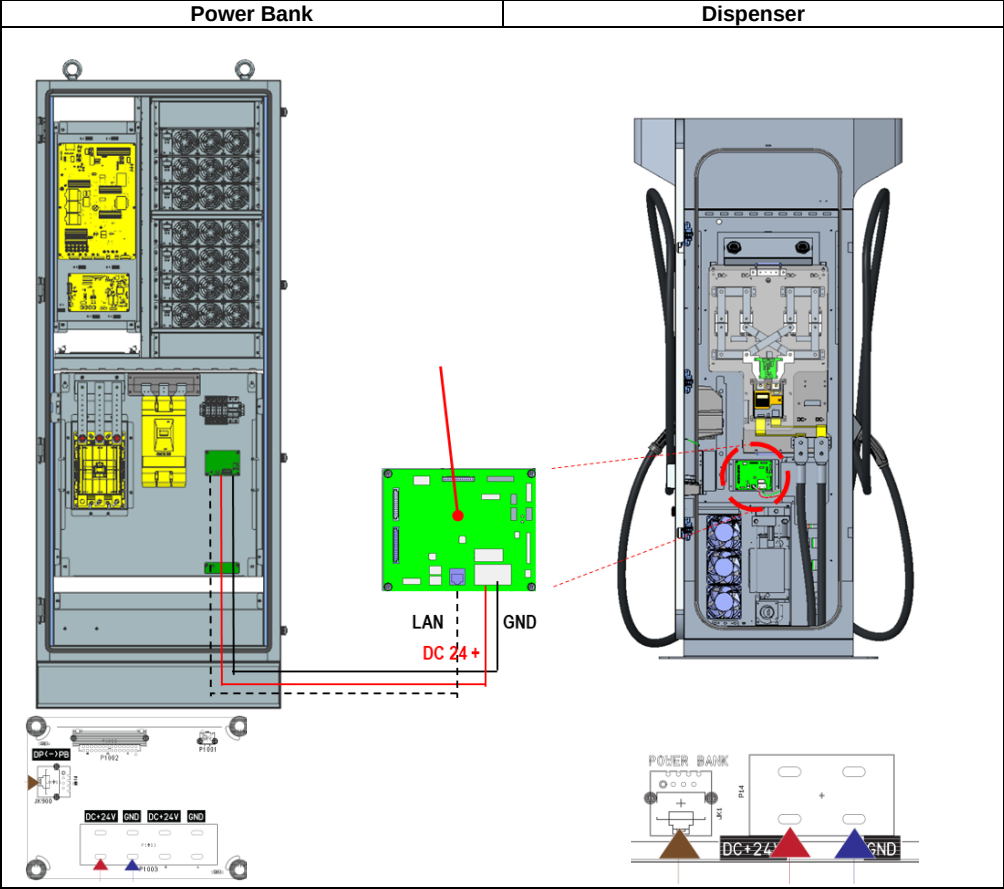


NOTE

- Cable Specifications

Parameter	DC + / -	PE
Wire Size for the terminal block plug	1000kcmil	AWG 1/0 / 105.56 Kcmil
Stub Size for the terminal block plug	12mm	8mm
Material	Oxygen Free Copper	Oxygen Free Copper
Manufacturer	Under Searching	Under Searching
Type	Under Searching	Under Searching
Shape	Circular Type	Circular Type
Tightening Torque	452lbf.In / 520kgf.cm / 51N.m	162lbf.In / 187kgf.cm / 18.3N.m

Low Voltage and Communication Wiring Method



NOTE

- The LAN cable (Direct Type) is not for network communication.
- Power Cable Specifications

Parameter	DC 24 V + / GND
Wire Size for the terminal block plug	AWG 10
Stub Size for the terminal block plug	
Material	Oxygen Free Copper
Manufacturer	Under Searching
Type	Under Searching
Shape	Circular Type
Tightening Torque	69lbf.In / 79kgf.cm / 7.7N.m

OPERATING INSTRUCTIONS



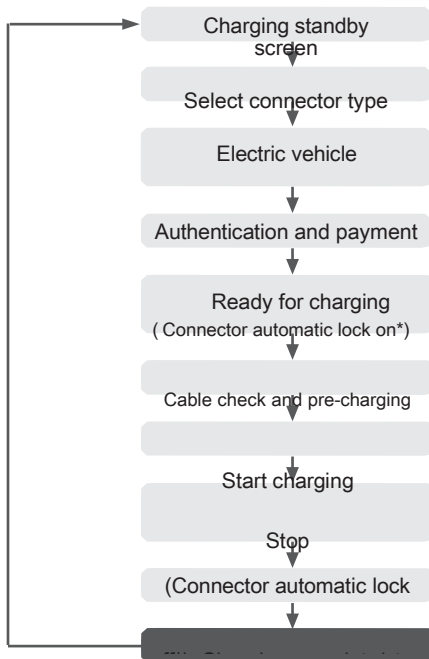
Caution!

To prevent electric shock, do not touch any uninsulated parts of the DC output connector, battery connector, or battery terminals. Do not use the connector if there are damaged or corroded parts. Using a damaged or defective connector can lead to

Charging Precautions

Please check that installation has been completed in the order specified in this manual. Failure to do so can result in personal injury or damage to the charger.

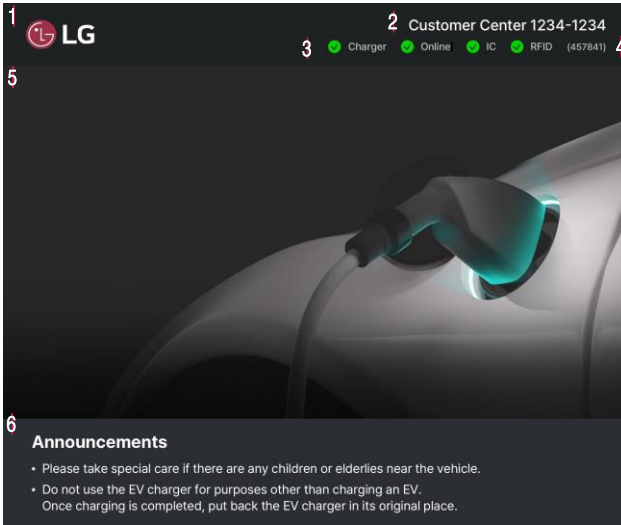
Charging Operation Procedure



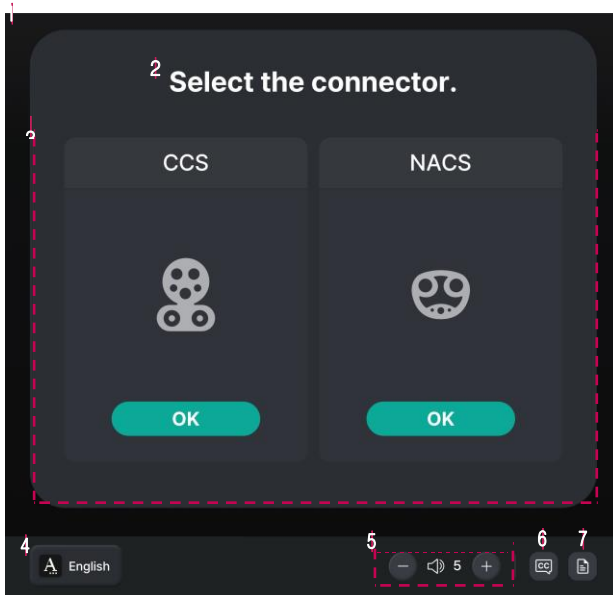
- *: The automatic lock/release of the connector is controlled by the vehicle (whether this is supported varies depending on the model of the vehicle)

Common Screen Configuration

In the default standby state screen, the following information is displayed.



- 1 The operating company's logo is displayed.
- 2 The customer service number is displayed.
- 3 The charger, internet connection status, credit card terminal status, and RFID card reader status are displayed. They are displayed in green (normal) and red (abnormal) colors.
- 4 The charger number is displayed.
- 5 The advertisements or animations are shown.
- 6 The notifications are displayed.



1 It's the area displaying the payment and charging process.

2 The screen title is displayed.

3 The screens relevant to each step are displayed.

4 The currently set language is displayed, and you can change the settings to another language.

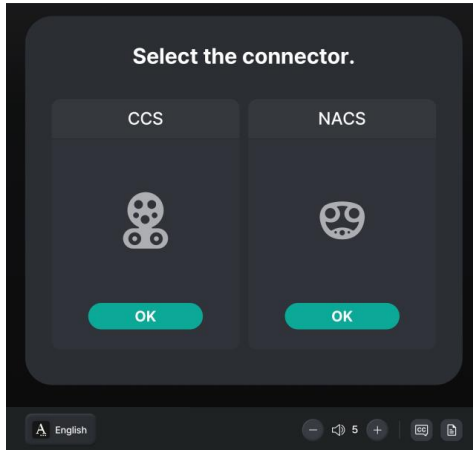
5 You can adjust the volume.

6 You can turn on or off subtitles for advertising videos.

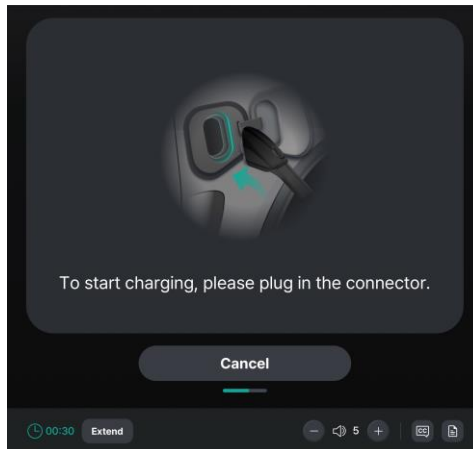
7 You can check device information

Charging Process

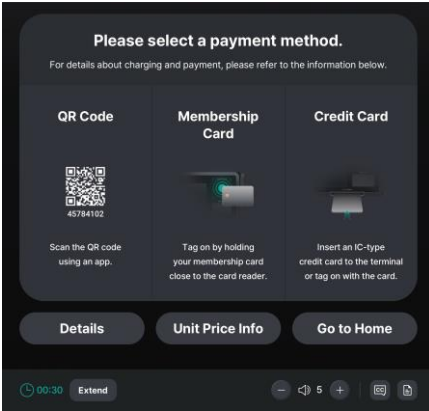
- 1 Select a connector type.
 - CCS
 - NACS



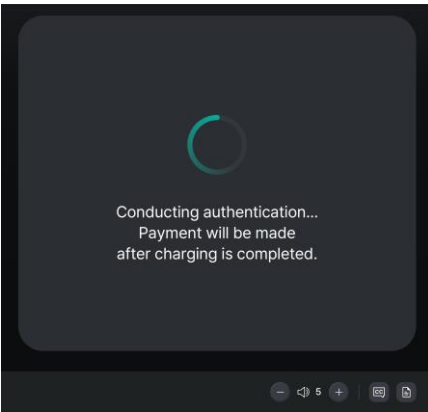
- 2 Connect the connector.



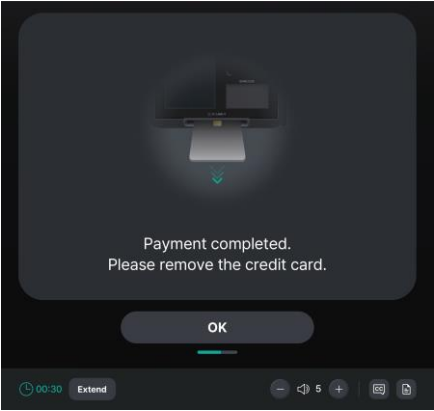
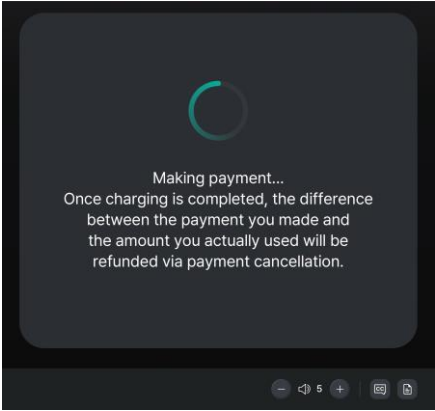
- 3 Proceed with payment using your membership card or credit card.



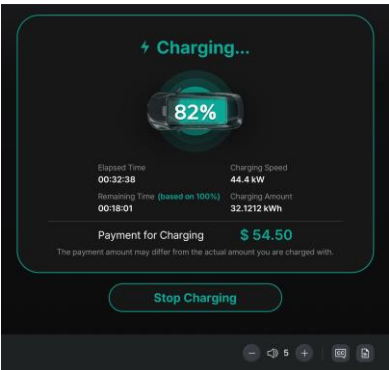
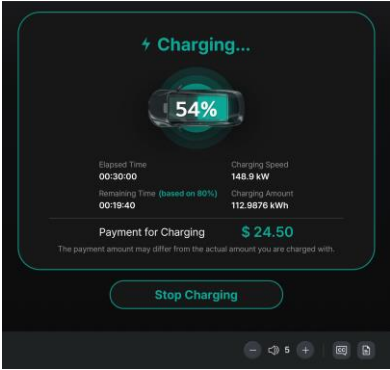
- 1) Membership card



2) Credit card

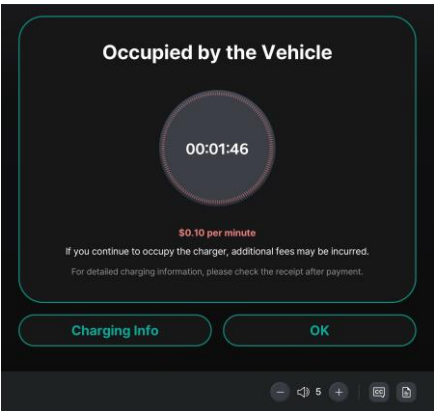
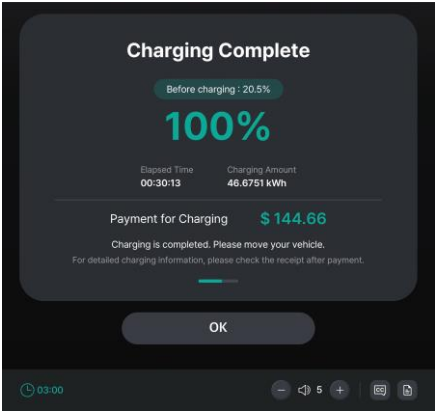


- 4 Proceed with charging. Displays elapsed time, remaining time, charging speed, charging amount, and charging fee.

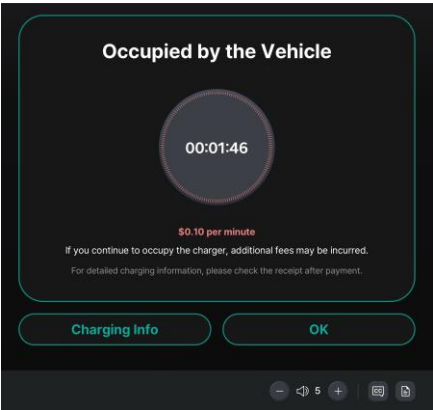
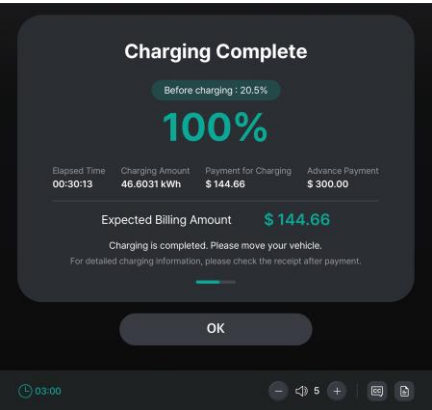


5 At the end of charging, displays the charging rate, elapsed time, charging amount, charging fee, etc. Occupancy charges may apply if you do not move your vehicle after charging has ended.

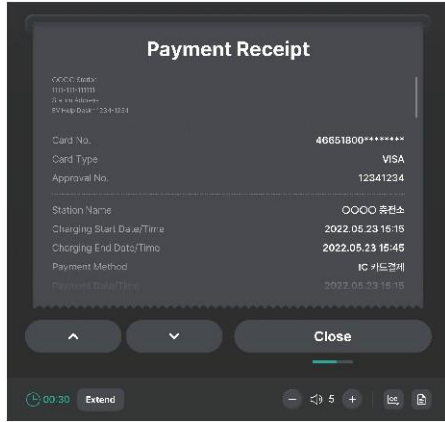
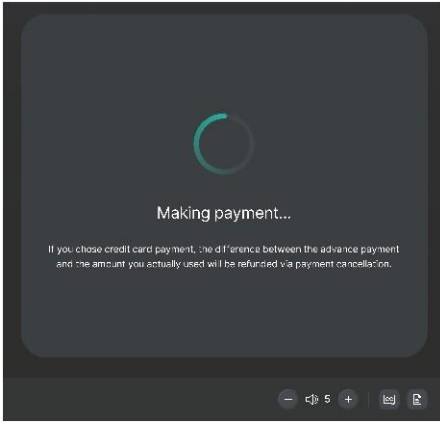
1) Membership card



2) Credit card

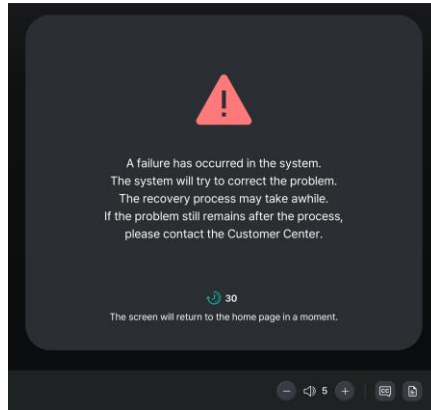
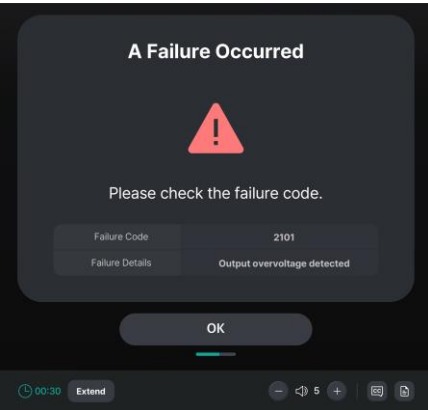


6 Displays a receipt after payment is processed.



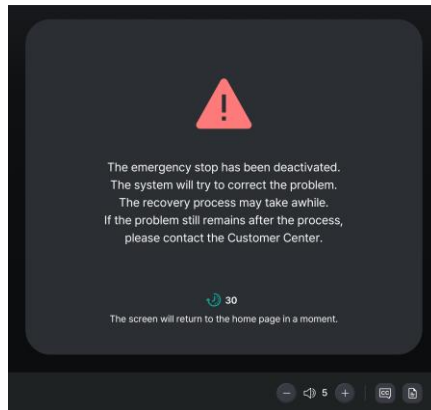
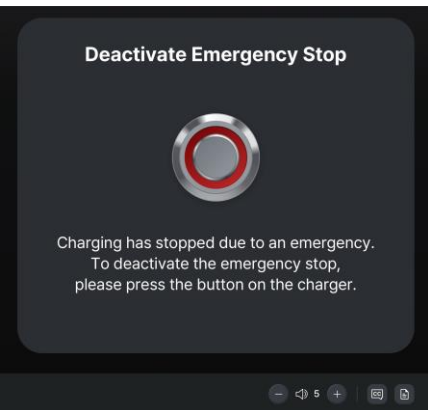
Error Screen

When a failure occurs, the details of the failure are displayed and the charger attempts to recover automatically.



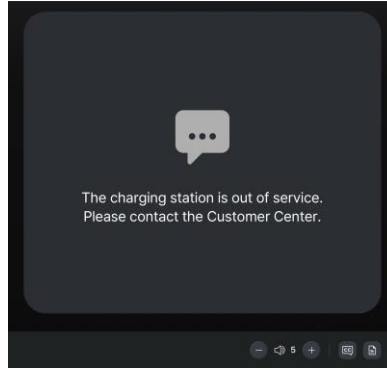
Emergency Stop Screen

When you press the emergency stop button on the front of the charger, displays the emergency stop screen. If the emergency stop is lifted, automatic recovery will be attempted.



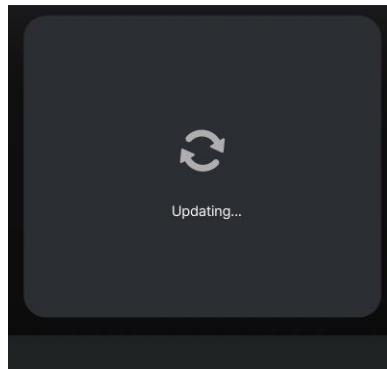
Operation Stop (Availability Change) Screen

This is the screen displayed during a temporary stop in operation due to operation policy. Operation stop and resumption are possible through remote control of the charging control.



System update screen

This is the screen when updating the system.



! NOTE

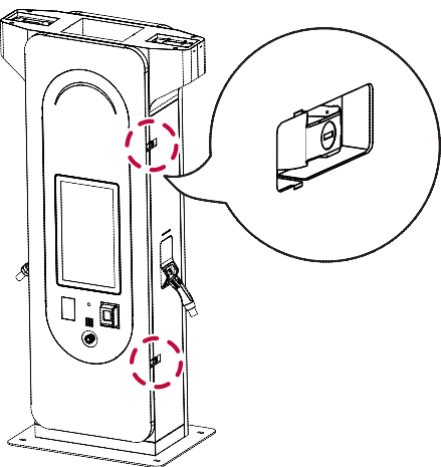
- Never turn off the power while the system update is in progress.

Test Driving Process

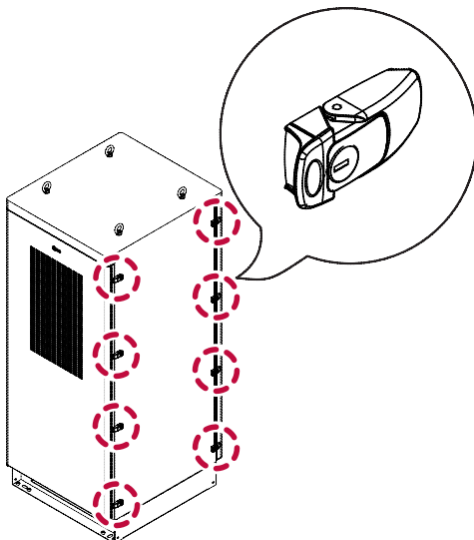
1 Front Door Opening

- Unlock the locking mechanism using the dedicated key. (One for dispenser, eight for power bank)

Dispenser

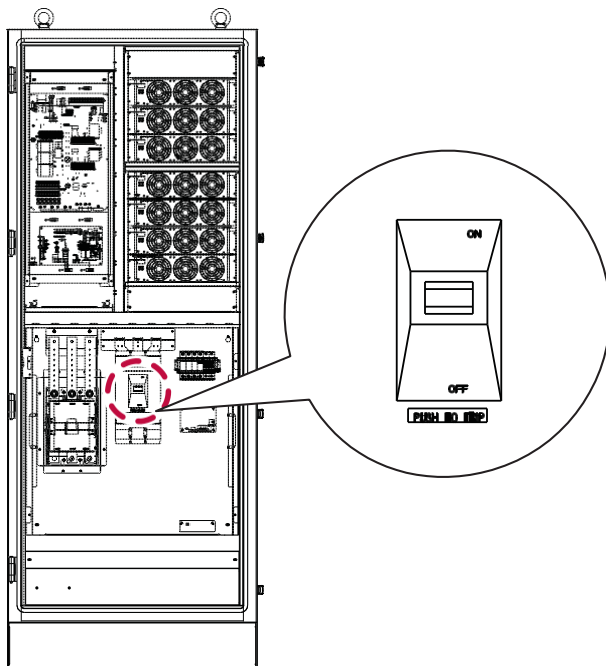


Power Bank



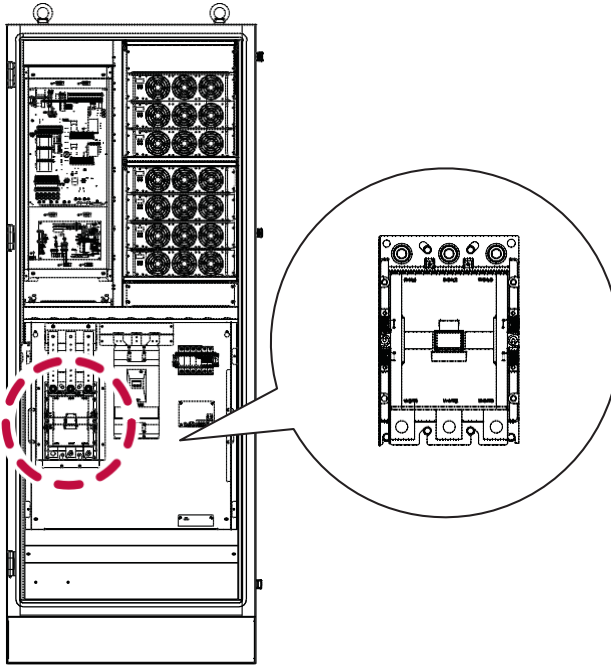
2 Power Bank Control Power Cut-off Device ON

- Turn on the control power cut-off device at the bottom center.



3 Power Bank Main Circuit Breaker ON

- Turn on the main power cut-off device on the bottom left.



4 Front Door Closing

- Once all the steps above are completed, close the front door for safety before starting to charge.

FAULT CODES

Error Codes	Description	Course of Action
2101	Output Overvoltage	Charger manufacturer confirmation
2201	Output Overcurrent	Charger manufacturer confirmation
2301	Output Insulation Fault	Charger manufacturer confirmation
2401/2402	Output Relay Fault	Charger manufacturer confirmation
2501	Output Connector Lock Fault	Vehicle and connector inspections
3101	Vehicle Battery Overvoltage	Vehicle inspection required
3102	Vehicle Battery Undervoltage	Vehicle inspection required
3103	Battery Voltage State Abnormality	Vehicle inspection required
3104	Output Voltage Deviation	Vehicle inspection required
3203	Output Current Deviation	Vehicle inspection required
3601	Battery Temperature Abnormality	Vehicle inspection required
3602	CCS Connector Overheating	Charger manufacturer confirmation
3603	NACS Connector Overheating	Charger manufacturer confirmation
3604	Chiller System Error	Charger manufacturer confirmation
3801	Charging System Compatibility Issue	Vehicle inspection required
3901	Vehicle Gear Check Needed	Check the vehicle gear park mode status
3903	Vehicle Battery System Error	Vehicle inspection required
4001	Charging System Error	Vehicle inspection required
5104	PLC Modem Communication Error	Disconnect and reconnect the connector to retry charging
5113	I2C Communication Error (Front Light)	Charger manufacturer confirmation
5114	I2C Communication Error (Gun Sensor)	Charger manufacturer confirmation
5201	Electricity Meter Communication Error	Charger manufacturer confirmation
5323	Proximity Pilot Abnormality	Disconnect and reconnect the connector to retry charging
6201/6202	Power Module Abnormality	Charger manufacturer confirmation
6301	Insulation Test Abnormality	Disconnect and reconnect the connector to retry charging
6501	Main Circuit Breaker1 Trip	Charger manufacturer confirmation
6601	MC1 Abnormality	Charger manufacturer confirmation
6701	Collision	Charger manufacturer confirmation
6702	Door Open	Charger manufacturer confirmation
6703	Water Infiltration	Charger manufacturer confirmation
6801	Power Bank Status Error	Charger manufacturer confirmation
6802	Power Bank Communication Error	Charger manufacturer confirmation
6803	Power Bank Door Open	Charger manufacturer confirmation
6805	Power Bank Flooding Occurs	Charger manufacturer confirmation
6806	Power Bank Crash Occurs	Charger manufacturer confirmation

Error	Description	Course of Action
6807	Power Bank Overheating	Charger manufacturer confirmation
8101	Charger Internal1 Overheating	Charger manufacturer confirmation
8102	Charger Internal2 Overheating	Charger manufacturer confirmation
9101	Emergency Switch Pressed	Check whether the emergency switch is pressed
9201	Other Abnormalities	-Charger manufacturer confirmation needed
10000	RFID Communication Error	Charger manufacturer confirmation
10002	Control Board Communication Error	Charger manufacturer confirmation
10004	LCD FAN error	Charger manufacturer confirmation

ADVERTISEMENT AREA SUPPORTED MULTIMEDIA FORMATS

Video

File Extension	A/V	Codec
.avi	Video	H.264/AVC
	Audio	MP3
.mp4	Video	H.265/AVC, H.265/HEVC
	Audio	AAC, MP3

- Max Resolution and Frames Per Second: 1920 x 1080, 30 frames/second

CERTIFICATION

CERTIFICATION	Description
FCC	<u>Federal Communications Commission (FCC) Statement</u> This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) this device may not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation of the device. CAN ICES-3(A)/NMB-3(A)

CERTIFICATION	Description
FCC	<u>FCC Caution</u> Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment and For indoor use only, use outdoors or in other modes not covered by this manual may violate the FCC regulation and violate the user authority to use the product. <u>FCC RF Radiation Exposure Statement:</u> This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with minimum distance 20 cm (7.8 inches) between the antenna and your body. Users must follow the specific operating instructions for satisfying RF exposure compliance.

CERTIFICATE	Description
IC	<u>Industry Canada Statement</u> (For Canada) [For having wireless function (WLAN, Bluetooth,...)] This device contains licence-exempt transmitter(s)/ receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference. (2) This device must accept any interference, including interference that may cause undesired operation of the device. <u>IC Radiation Exposure Statement</u> (For Canada) [For having wireless function (WLAN, Bluetooth,...)] This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm(7.8 inches) between the antenna & your body. NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT

CERTIFICATI	Description
IC	<u>Avis d'Industrie Canada</u> (Pour le Canada) [Pour la fonction sans fil (WLAN, Bluetooth, etc.)] L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) L'appareil ne doit pas produire de brouillage; (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement. CAN ICES-003(B) / NMB-003(B) <u>Avis d'Industrie Canada sur l'exposition aux rayonnements</u> (Pour le Canada) [Pour la fonction sans fil (WLAN, Bluetooth, etc.)] Cet appareil est conforme aux limites d'exposition aux rayonnements d'Industrie Canada pour un environnement non contrôlé. Cet appareil doit être installé de façon à garder une distance minimale de 20 cm (7,8 po) entre la source de rayonnement et votre corps. REMARQUE : LE FABRICANT N'EST PAS RESPONSABLE DES INTERFÉRENCES RADIOÉLECTRIQUES CAUSÉES PAR DES MODIFICATIONS NON AUTORISÉES APPORTÉES À CET APPAREIL. DE TELLES MODIFICATIONS POURRAIENT ANNULER L'AUTORISATION ACCORDÉE À L'UTILISATEUR DE FAIRE FONCTIONNER L'APPAREIL.

CERTIFICATION	Description
ENERGY STAR	 This product qualifies for ENERGY STAR®. Changing the factory default configuration and settings or enabling certain optional features and functionalities may increase energy consumption beyond the limits required for ENERGY STAR® certification. Refer to ENERGYSTAR.gov for more information on the ENERGY STAR® program.



LG

Please refer to the label attached to the product as it contains the information necessary for service.

Model

Serial number

Supplier's Declaration of Conformity	
Trade Name	LG
Responsible Party	LG Electronics USA, Inc.
Address	111 Sylvan Avenue, North Building, Englewood Cliffs, NJ 07632
E-mail	lg.environmental@lge.com
Temporary noise is normal when powering ON or OFF this device.	