

Beyond **X**TM EV CHARGER

Intelligent System



LS[®] **ELECTRIC**

Beyond **X**TM EV CHARGER

Intelligent System





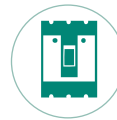
Highest energy efficiency in Korea

- Certified High-Efficiency Energy Equipment



Easy A/S structure

- Front-open structure
- Backside space unnecessary



LS ELECTRIC's electrical equipment

- Incorporates LSE's electrical equipment inside
- High reliability and nationwide A/S network



Reduce charger footprint

- Minimize product size
- Smallest installation pad size in its class

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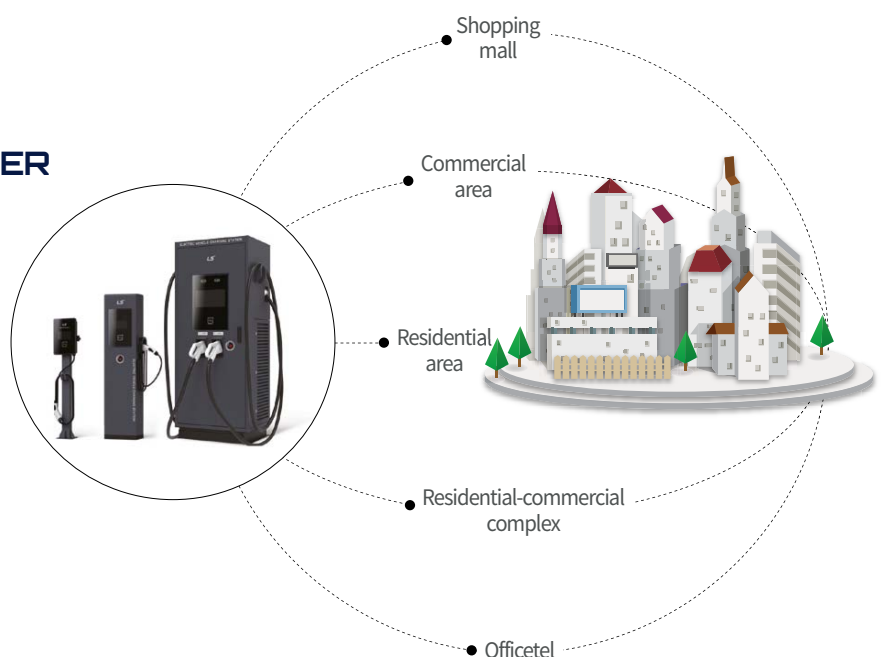
Overview

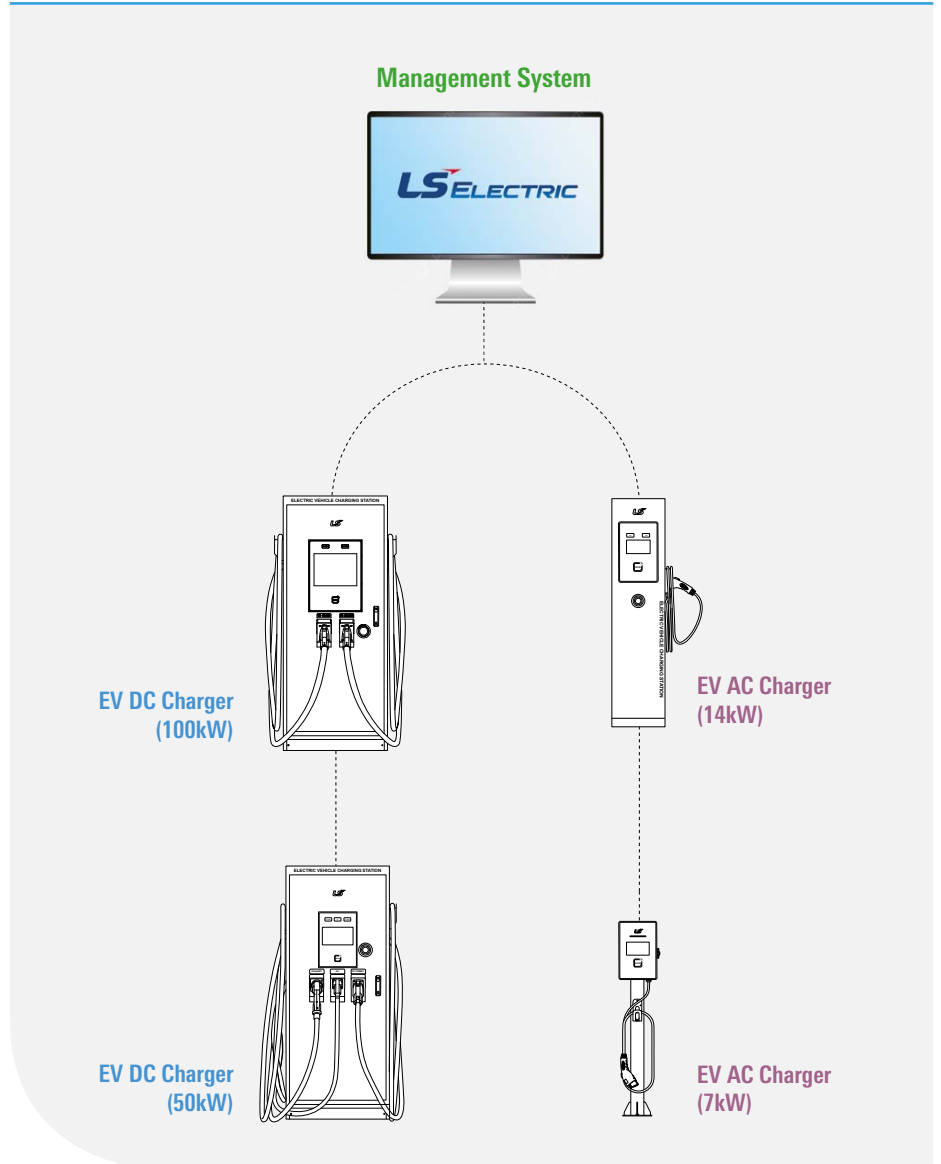


Beyond **EV CHARGER**

LS ELECTRIC's accumulated technology ensures safe and cost-effective EV chargers, along with a user-friendly and efficient management system.

LS ELECTRIC will be leading the new charging infrastructure.





BeyondX™ EV CHARGER

Management System

- User registration and management
- Viewing charger usage
- Monitoring charger operation status
- Managing charger history
- Generating and managing alerts

EV AC Charger(14kW, 7kW)

- Elegant design with reinforced glass
- Protection Class : IP44
- Modular design for flexible deployment
- Intuitive and user-friendly management system

EV DC Charger(100kW, 50kW)

- High Efficiency Certified Charger
- Protection Class : IP44
- High system stability with direct airflow cooling design
- Intuitive and user-friendly management system

EV AC Charger(3.5kW)

- High charging convenience
- Fire-resistant installation Intuitive
- Intuitive and user-friendly management system

Ordering (Model name)

EV DC Charger

LEC

F

050

1M

10

S

Charging Method

F Fast Charging

Capacity

05050 kW

100100 kW

Charging Mode¹

1M1-mode

2M2-mode

3M3-mode

HMI Size²

1010-inch LCD

1515-inch LCD

Installation

S Stand Type

Rate	Mode	Charging Cable Connector Mode		
		AC	DC Combo	CHAdeMO
50kW	1-mode			
50kW	3-mode			
100kW	2-mode			

Note1) Cable mode for charger rating

Note2) 10-inch LCD is only compatible with a 50kW charger
15-inch LCD is only compatible with a 100kW charger

EV AC Charger

LEC

S

007

1CH

07

BC

W

Charging Method

S Slow Charging

Capacity

0077 kW

01414 kW

Charging Channel³

1CH1-Channel

2CH2-Channel

HMI Size

077-inch LCD

Installation

W Wall Mounted⁴

S Stand Type

Kind of Charger

BCB-C Type

Note3) 1CH is only compatible with a 7kW charger
2CH is only compatible with a 14kW charger

Note 4) When using the '7kW stand type' product, it is necessary to purchase the option (LEC007 Stand) along with the W type.

7kW Stand Pol(Optional)

LEC

S

007

Stand

Charging Method

S Slow Charging

Capacity

0077 kW

Wallbox with Billing System

JST

CON

03

Charging Method

CON Outlet

Capacity

033.5kW

- 100kW 2mode
- 50kW 1mode
- 50kW 3mode



EV DC Charger

EV DC Charger

100kW 2mode



Type		Specification
Model		LECF100-2M15S
AC Input	Phase/Lines	3-Phase + Neutral + PE
	Voltage	380V
	Frequency	60Hz
DC Output	Voltage	200~600V
	Current	200A
	Power	100kW
Electrical Parameter	Power Factor	≥ 0.95 (50%~100% load)
	THD	≤ 0.05 (50%~100% load)
	Voltage Accuracy	$\pm 0.5\%$
	Current Accuracy	$\pm 1.0\%$
	Efficiency	95.2%
Structure Design	Housing Material	Galvanized steel
	Installation Method	Floor-stand
	Charging Time	Around 45 minutes (Based on EV battery 72kWh)
	Output	For single charging of one electric vehicle : 100kW/h For simultaneous charging of two electric vehicles : 50 kW/h each
	Charging Outlet	2 Charging guns (SAE Combo Type1/ SAE Combo Type1)
	Cable	Rated : DC 600V, 200A Length : 5m Diameter : 70mm ²
	LED indicator	2 Indicators (DC COMBO 1, DC COMBO 2)
	LCD size	15-inch LCD (Touch Screen)
	Communication Method	TCP/IP
	Emergency Stop	Button type
	Payment Methods	RFID card, Membership number, Credit card reader(Optional)
Usage Environment	Operating Temperature	-25°C ~ +40°C
	Humidity	5% ~ 95% RH(Non-condensing)
	Altitude	1,000m or less
	Protection Grade	IP44
	Installation Location	Indoor / Outdoor
Protection Function		Over/Under voltage protection, Overload protection, Short circuit protection, Grounding protection, Surge protection, Over/Under temperature protection
Safety Standard		IEC 61851-1:2017, IEC 61815-23:2014
Dimension (W×D×H)		874×567×1830mm (Excluding the charging coupler)
Mounting Hole Dimensions (W×D)		720×460mm

EV DC Charger

50kW 1mode



Type		Specification
Model		LECF050-1M10S
AC Input	Phase/Lines	3-Phase + Neutral + PE
	Voltage	380V
	Frequency	60Hz
DC Output	Voltage	200~600V
	Current	120A
	Power	50kW
Electrical Parameter	Power Factor	≥ 0.95 (50%~100% load)
	THD	≤ 0.05 (50%~100% load)
	Voltage Accuracy	±0.5%
	Current Accuracy	±1.0%
	Efficiency	96.7%
Structure Design	Housing Material	Galvanized steel
	Installation Method	Floor-stand
	Charging Time	Around 90 minutes (Based on EV battery 72kWh)
	Outlet	For single charging of one electric vehicle : 50 kW/h
	Charging Outlet	1 Charging gun (SAE Combo Type1)
	Cable	Rated : DC 600V, 150A Length : 4.5m Diameter : 42.4mm ²
	LED indicator	2 Indicators (POWER, DC COMBO)
	LCD size	10-inch LCD (Touch Screen)
	Communication Method	TCP/IP
	Emergency Stop	Button type
	Payment Methods	RFID card, Membership number, Credit card reader(Optional)
Usage Environment	Operating Temperature	-25°C ~ +40°C
	Humidity	5% ~ 95% RH(Non-condensing)
	Altitude	1,000m or less
	Protection Grade	IP44
	Installation Location	Indoor / Outdoor
Protection Function		Over/Under voltage protection, Overload protection, Short circuit protection, Grounding protection, Surge protection, Over/Under temperature protection
Safety Standard		IEC 61851-1:2017, IEC61815-23:2014
Dimension (W×D×H)		802×411×1830mm (Excluding the charging coupler)
Mounting Hole Dimensions (W×D)		720×340mm

EV DC Charger

EV DC Charger

50kW 3mode



Type		Specification	
Model		LECF050-3M10S	
AC Input	Phase/Lines	3-Phase + Neutral + PE	
	Voltage	380V	
	Frequency	60Hz	
DC Output	Voltage	200~500V	AC380V
	Current	120A	63A
	Power	50kW	43kW
Electrical Parameter	Power Factor	≥ 0.95 (50%~100% load)	
	THD	≤ 0.05 (50%~100% load)	
	Voltage Accuracy	$\pm 0.5\%$	
	Current Accuracy	$\pm 1.0\%$	
	Efficiency	96.7%	
Structure Design	Housing Material	Galvanized steel	
	Installation Method	Floor-stand	
	Charging Time	Around 90 minutes (Based on EV battery 72kWh)	
	Output	For single charging of one electric vehicle : 50 kW/h (Simultaneous charging not supported)	
	Charging Outlet	3 Charging guns (SAE Combo Type1 / CHAdeMO / IEC 62196-2 Type2)	
	Cable	SAE Combo Type1 - DC 600V, 150A / L : 4.5m / D : 42.4mm ² CHAdeMO - DC 500V, 125A / L : 4.5m / D : 35mm ² IEC 62196-2 Type2 - AC 415V, 63A / L : 4.5m / D : 16mm ²	
	LED indicator	3 Indicators (CHAdeMO, AC, DC COMBO)	
	LCD size	10-inch LCD (Touch Screen)	
	Communication Method	TCP/IP	
	Emergency Stop	Button type	
	Payment Methods	RFID card, Membership number, Credit card reader(Optional)	
Usage Environment	Operating Temperature	-25°C ~ +40°C	
	Humidity	5% ~ 95% RH(Non-condensing)	
	Altitude	1,000m or less	
	Protection Grade	IP44	
	Installation Location	Indoor / Outdoor	
Protection Function		Over/Under voltage protection, Overload protection, Short circuit protection, Grounding protection, Surge protection, Over/Under temperature protection	
Safety Standard		IEC 61851-1:2017, IEC61815-23:2014	
Dimension (W×D×H)		854×442×1830mm (Excluding the charging coupler)	
Mounting Hole Dimensions (W×D)		720×340mm	

- 14kW B-C Type
- 7kW B-C Type
- 7kW B-C Type Wall Mounted
- Wallbox with Billing System



EV AC Charger

EV AC Charger

14kW B-C Type



Type		Specification
Model		LECS014-2CH07BCS
AC Input	Phase/Lines	1 Phase + Neutral + PE
	Voltage	220V
	Frequency	60Hz
AC Output	Voltage	220V
	Current	64A (2CH×32A)
	Power	14kW
Structure Design	Panel Material	Galvanized steel
	Glass Material	Temper glass
	Installation Method	Floor-stand
	Charging Time	Around 10 hours (Based on EV battery 72kWh / 2Channels)
	Output	For single charging of one electric vehicle : 7 kW/h For simultaneous charging of two electric vehicles : 7 kW/h each
	Charging Outlet	1 Charging gun (Type1) 1 Charging socket (Type1)
	Cable/socket	Cable -Rated: AC240V, 32A /L: 5m/ D: 6 mm ² Socket -Rated: AC250V, 32A
	LED indicator	2 indicators (AC 1, AC 2)
	LCD size	7-inch LCD (Touch Screen)
	Communication Method	TCP/IP
	Emergency Stop	Button type
	Payment Methods	RFID card, Membership number
Usage Environment	Operating Temperature	-25°C ~ +40°C
	Humidity	5% ~ 95% RH(Non-condensing)
	Altitude	1,000m or less
	Protection Grade	IP44
	Installation Location	Indoor / Outdoor
Protection Function		Over/Under voltage protection, Overload protection, Short circuit protection, Current leakage protection, Grounding protection, Surge protection, Over/Under temperature protection
Safety Standard		IEC 61851-1:2017, IEC 62196-2:2016
Dimension (W×D×H)		402×244×1600 mm (Excluding the charging coupler)
Mounting Hole Dimensions (W×D)		312×142mm

EV AC Charger

7kW B-C Type



Type		Specification
Model (Product Composition)		LECS007-1CH07BCS (LECS007-1CH07BCW + LECS007 Stand)
AC Input	Phase/Lines ¹	1 Phase + Neutral + PE
	Voltage	220V
	Frequency	60Hz
AC Output	Voltage	220V
	Current	32A
	Power	7kW
Structure Design	Panel Material	Galvanized steel
	Glass Material	Temper glass
	Installation Method	Floor-stand
	Charging Time	Around 10 hours (Based on EV battery 72kWh / 2Channels)
	Output	For single charging of one electric vehicle : 7 kW/h (Simultaneous charging not supported)
	Charging Outlet	1 Charging gun (Type1) 1 Charging socket (Type1)
	Cable/socket	Cable -Rated: AC240V, 32A / L: 4m/D: 6mm ² Socket -Rated: AC250V, 32A
	LED indicator	1 Indicator
	LCD size	7-inch LCD (Touch Screen)
	Communication Method	TCP/IP
	Emergency Stop	Button type
	Payment Methods	RFID card, Membership number
Usage Environment	Operating Temperature	-25°C ~ +40°C
	Humidity	5% ~ 95% RH(Non-condensing)
	Altitude	1,000m or less
	Protection Grade	IP44
	Installation Location	Indoor / Outdoor
Protection Function		Over/Under voltage protection, Overload protection, Short circuit protection, Current leakage protection, Grounding protection, Surge protection, Over/Under temperature protection
Safety Standard		IEC 61851-1:2017, IEC 62196-2:2016
Dimension (W×D×H)		270×145×400 mm (Excluding the charging coupler) (With stand 270×235×1336 mm)
Mounting Hole Dimensions (W×D)		143×163mm

Note 1) 2 Phase + PE method not usable.

EV AC Charger

EV AC Charger

7kW B-C Type Wall Mounted



Type		Specification
Model		LECS007-1CH07BCW
AC Input	Phase/Lines ¹	1 Phase + Neutral + PE
	Voltage	220V
	Frequency	60Hz
AC Output	Voltage	220V
	Current	32A
	Power	7kW
Structure Design	Panel Material	Galvanized steel
	Glass Material	Temper glass
	Installation Method	Wall Mounted
	Charging Time	Around 10 hours (Based on EV battery 72kWh / 2Channels)
	Output	For single charging of one electric vehicle : 7 kW/h (Simultaneous charging not supported)
	Charging Outlet	1 Charging gun (Type1) 1 Charging socket (Type1)
	Cable/socket	Cable -Rated: AC240V, 32A / L: 4m / D: 6mm ² Socket -Rated: AC250V, 32A
	LED indicator	1 Indicator
	LCD size	7-inch LCD (Touch Screen)
	Communication Method	TCP/IP
	Emergency Stop	Button type
	Payment Methods	RFID card, Membership number
Usage Environment	Operating Temperature	-25°C ~ +40°C
	Humidity	5% ~ 95% RH(Non-condensing)
	Altitude	1,000m or less
	Protection Grade	IP44
	Installation Location	Indoor / Outdoor
Protection Function		Over/Under voltage protection, Overload protection, Short circuit protection, Current leakage protection, Grounding protection, Surge protection, Over/Under temperature protection
Safety Standard		IEC 61851-1:2017, IEC 62196-2:2016
Dimension (W×D×H)		270×164×400 mm (Excluding the charging coupler)
Mounting Hole Dimensions (W×D)		140×195mm (For wall surface)

Note 1) 2 Phase + PE method not usable.

Wallbox with Billing System

3.5kW B-Type

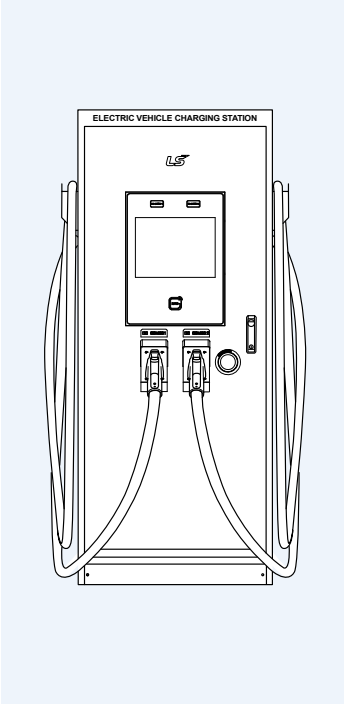


Type		Specification
Model		JST-CON-03
AC Input	Phase/Lines ¹	1 Phase + Neutral + PE
	Voltage	220V
	Frequency	60Hz
AC Output	Voltage	220V
	Current	15A
	Power	3.5kW
Structure Design	Installation Method	Wall-mounted type (Surface-mounted/Embedded)
	Charging Time	Around 20 hours (based on EV battery 72kWh)
	Installation Method	F-Type 3Pin Outlet
	LED	Indicates status through flashing and lighting (Charging Standby / Charging / Charging Complete / Error)
	Communication Method	LAN(Wired)
	Meter Constant	5,000 (Pulse/kWh)
	Class	1.0
Usage Environment	Operating Temperature	-25°C ~ 55°C
	Working Humidity	≤95%
	Working Altitude	2,000m or less
	Protection Grade	IP51
	Installation Location	Indoor
Protection Function		Over Current protection Over Temperature protection Over / Under voltage protection
Safety Standard		Type Approval
Dimension (W×D×H)		136.5×109.6×245 mm

Note 1) 2 Phase + PE method not usable.

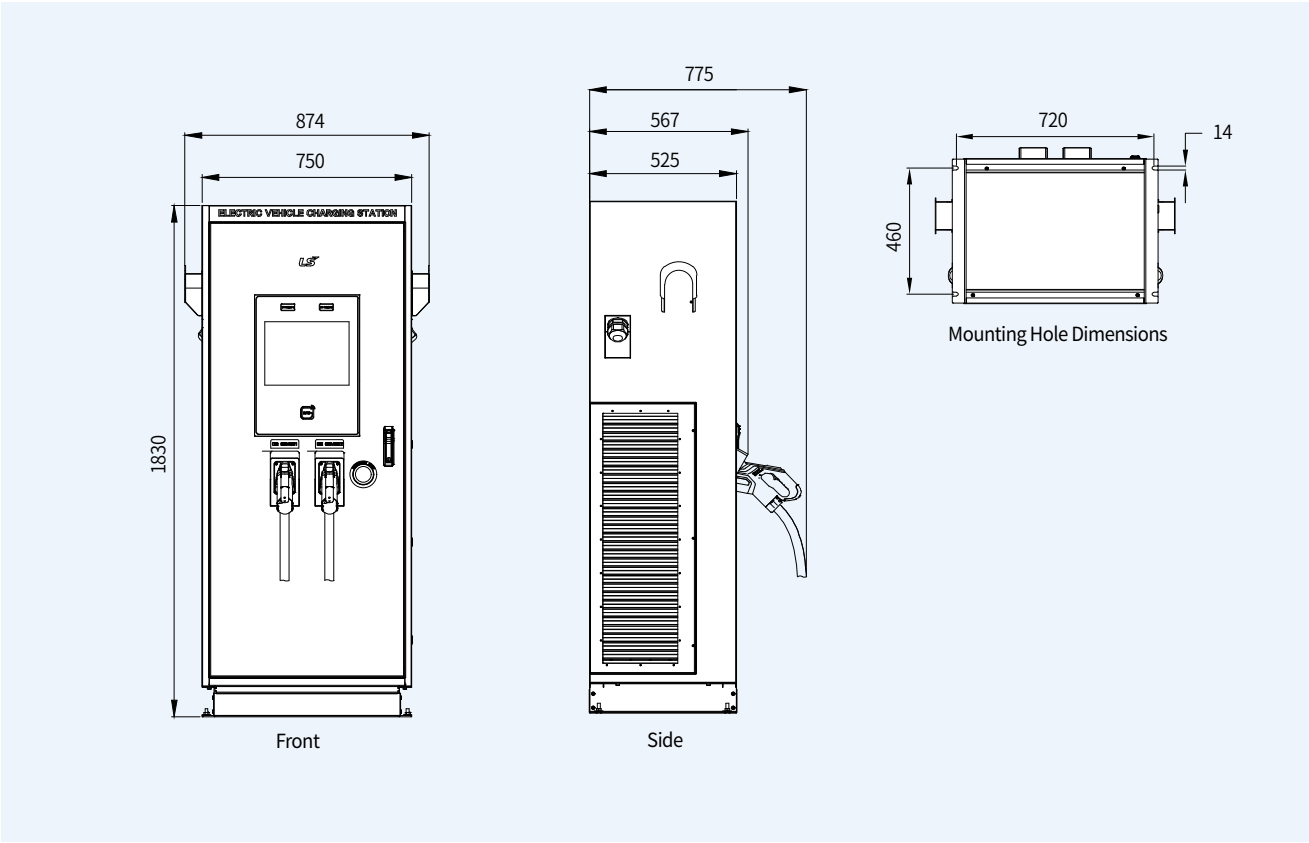
External Dimensions

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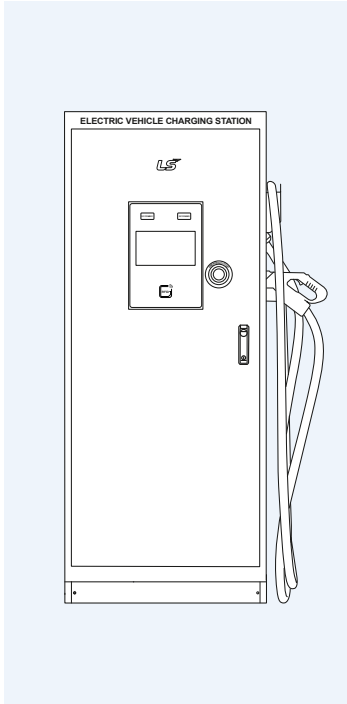


Unit : mm

Category	Size
Dimensions (W×D×H)	874×567×1830 (Charging Coupler Not Included)
Mounting Hole Dimensions (W×D)	720×460

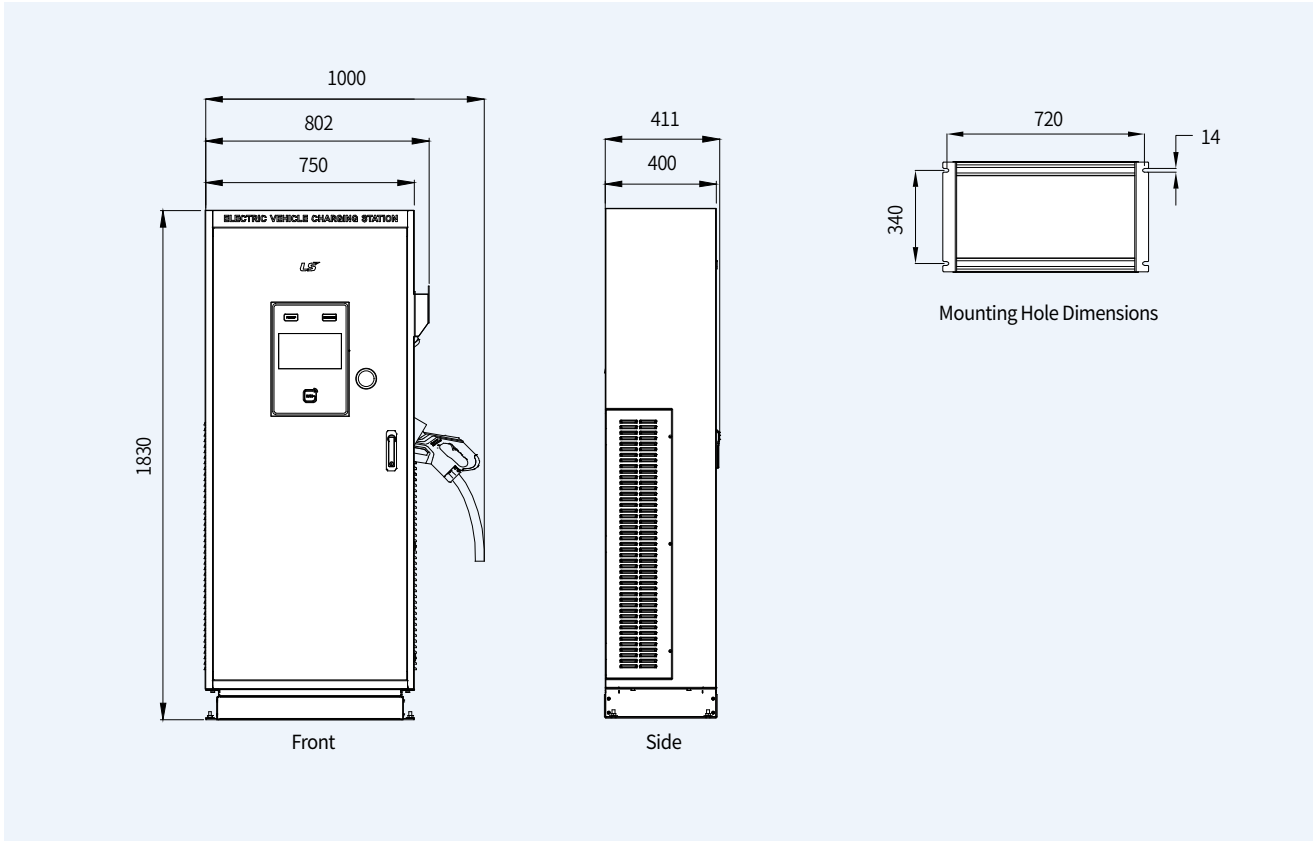


LECF050-1M10S



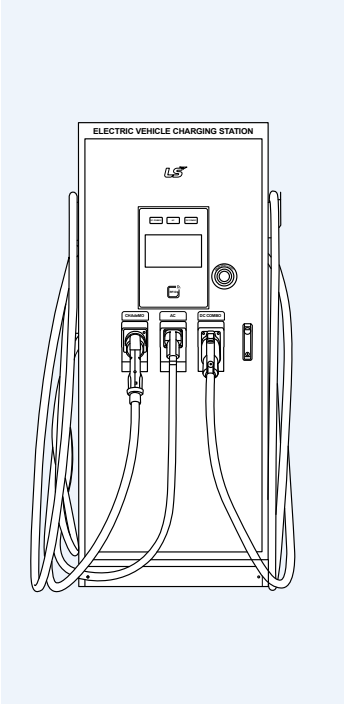
Unit : mm

Category	Size
Dimensions (W×D×H)	802×411×1830 (Charging Coupler Not Included)
Mounting Hole Dimensions (W×D)	720×340



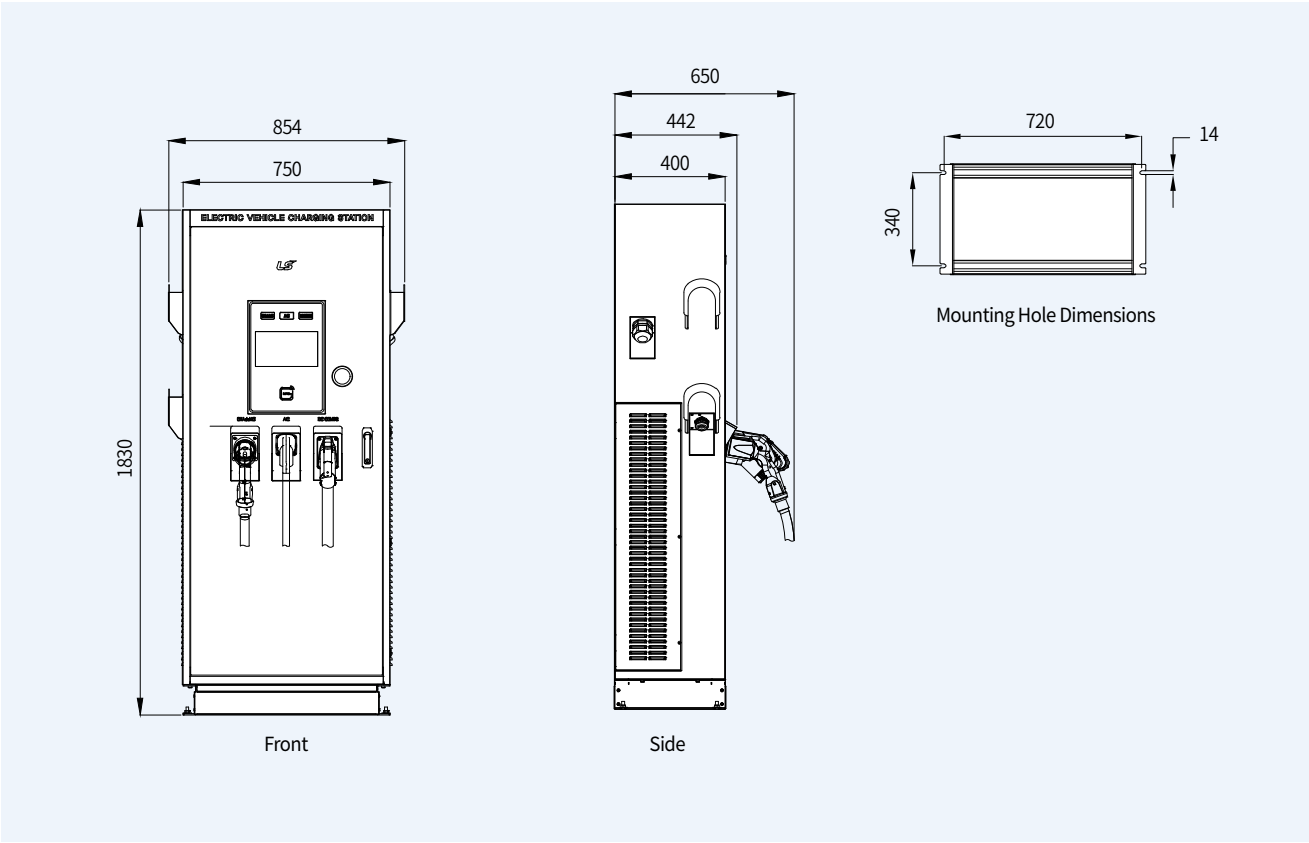
External Dimensions

LECF050-3M10S

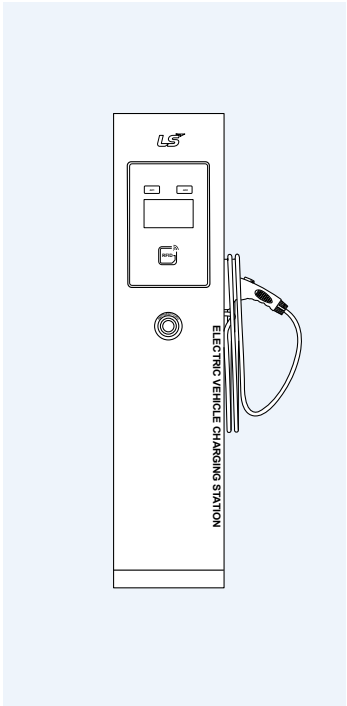


Unit: mm

Category	Size
Dimensions (W×D×H)	854×442×1830 (Charging Coupler Not Included)
Mounting Hole Dimensions (W×D)	720×340

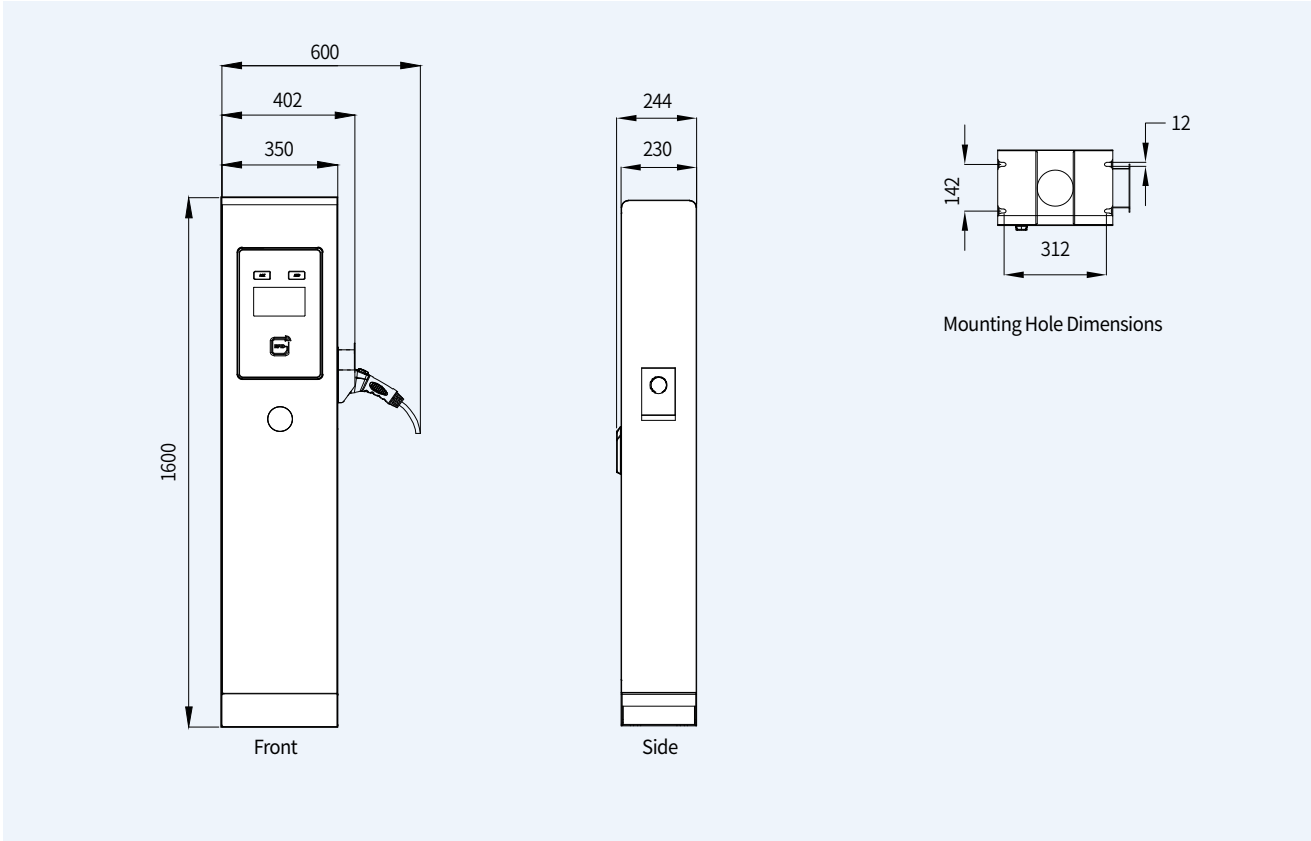


LECS014-2CH07BCS



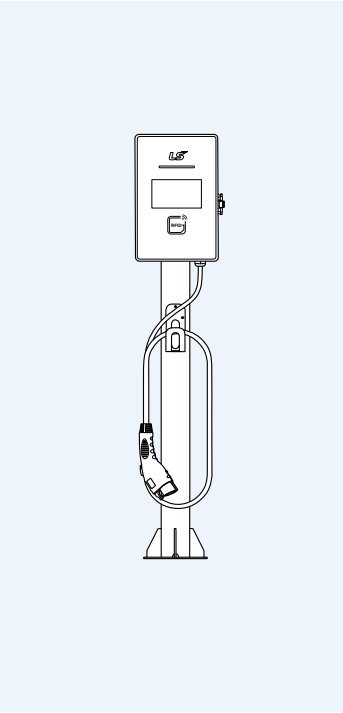
Unit : mm

Category	Size
Dimensions (W×D×H)	402×244×1600 (Charging Coupler Not Included)
Mounting Hole Dimensions (W×D)	312×142



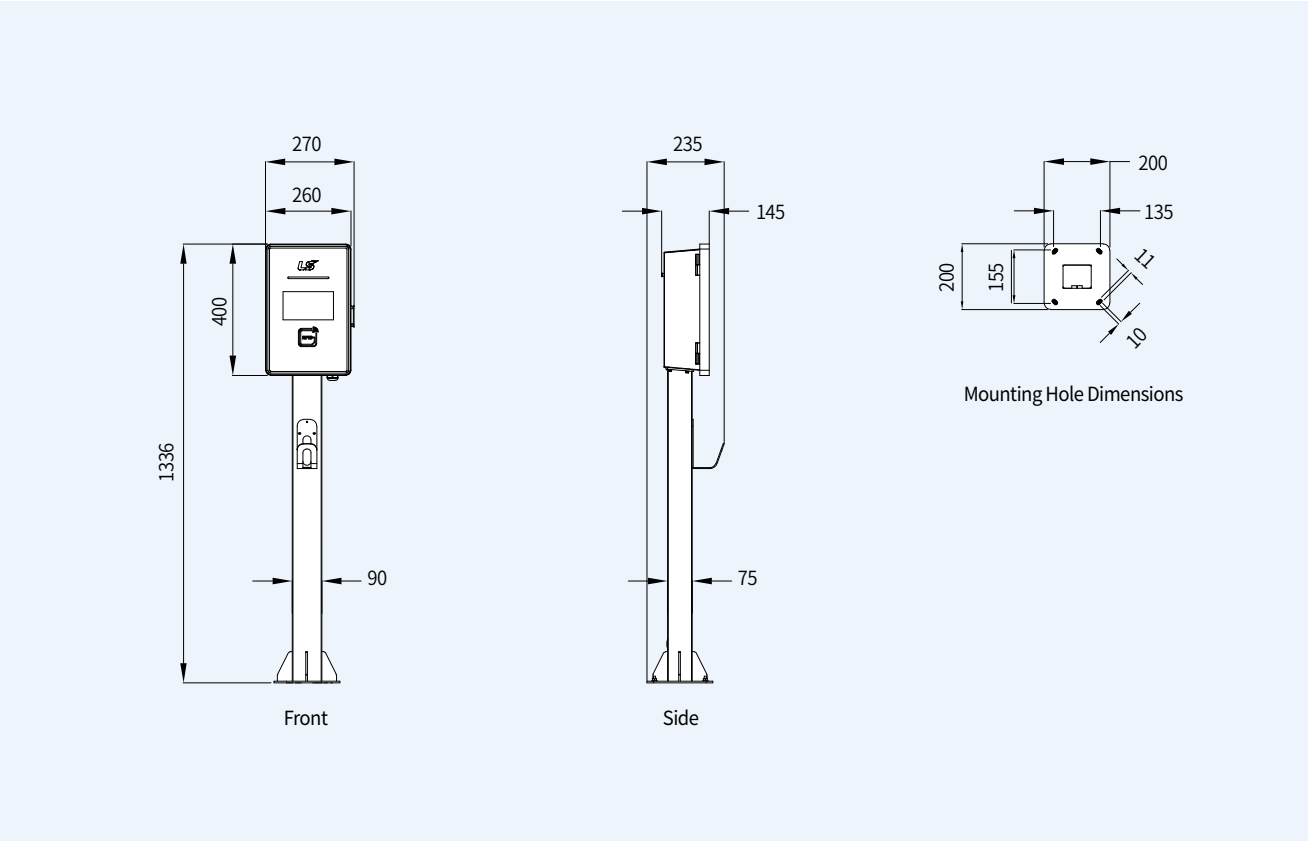
External Dimensions

LECS007-1CH07BCS

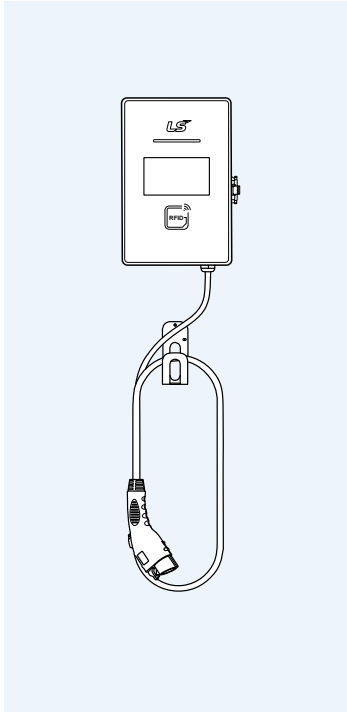


Unit : mm

Category	Size
Dimensions (W×D×H)	270×145×400 (Charging Coupler Not Included) (with Stand 270×235×1336)
Mounting Hole Dimensions (W×D)	143×163

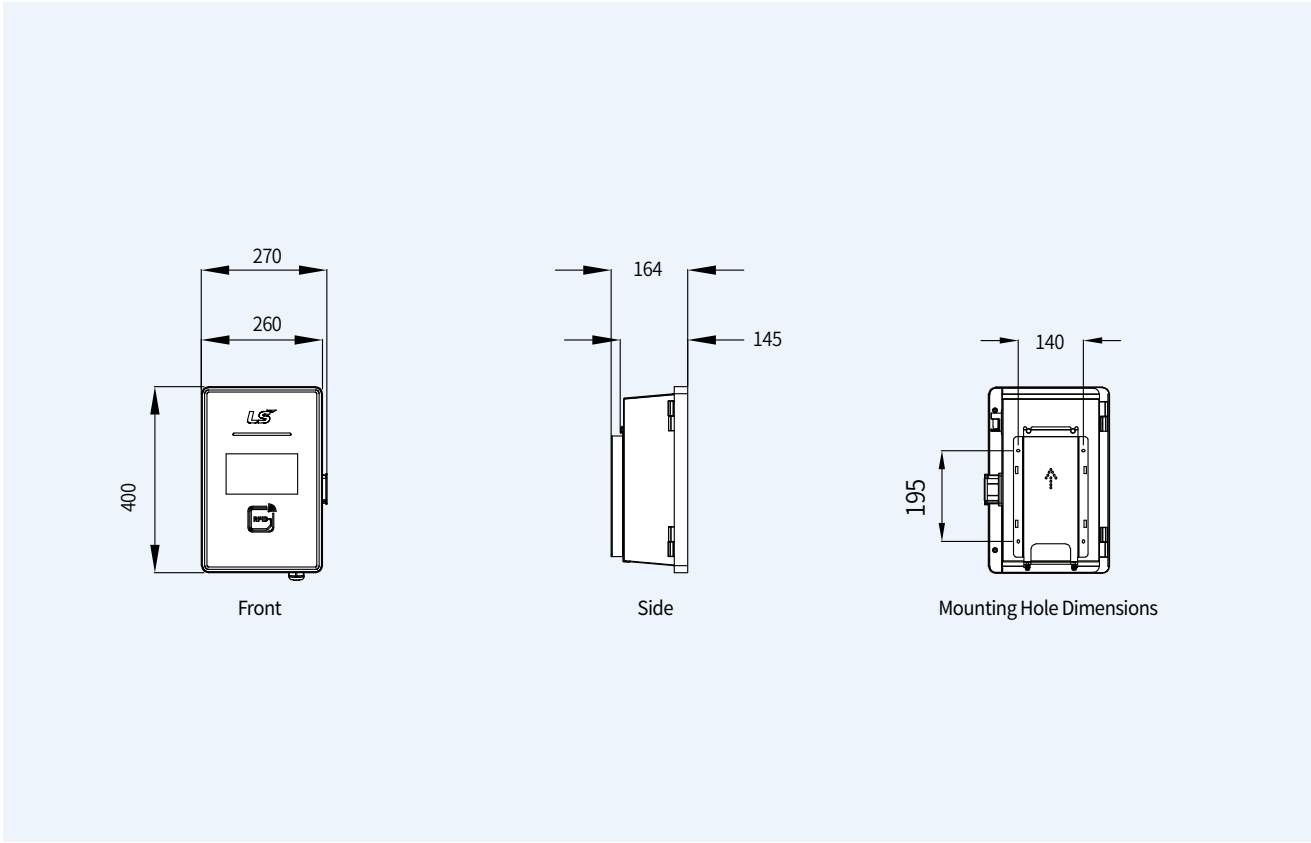


LECS007-1CH07BCW



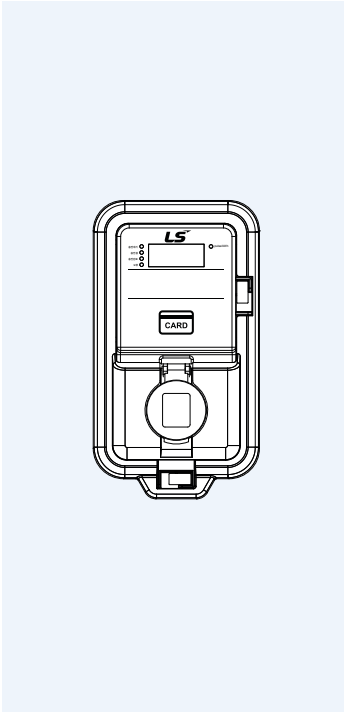
Unit : mm

Category	Size
Dimensions (W×D×H)	270×164×400 (Charging Coupler Not Included)
Mounting Hole Dimensions (W×D)	140×195 (For wall surface)



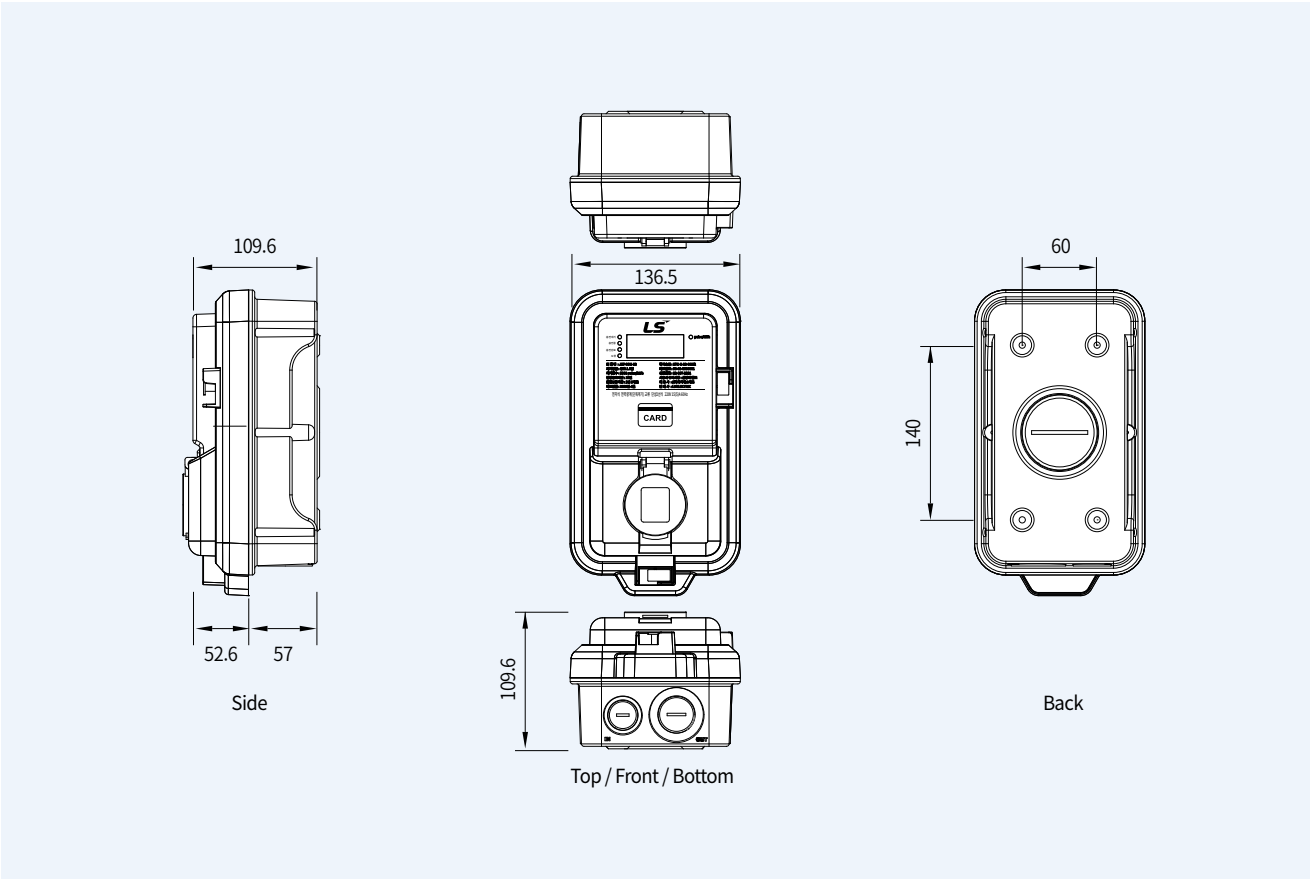
External Dimensions

JST-CON-03



Unit : mm

Category	Size
Dimensions (W×D×H)	136.5×109.6×245



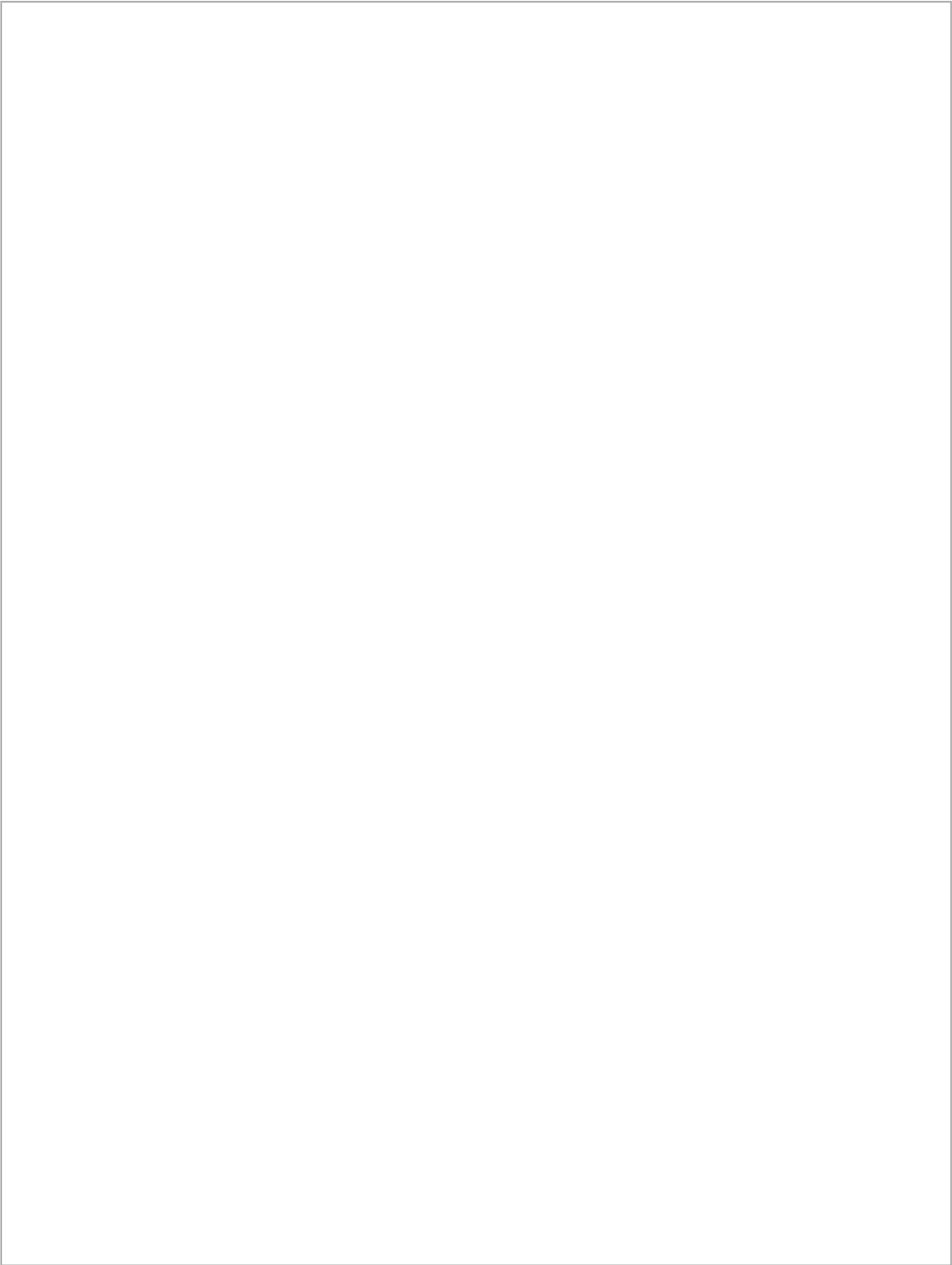
Additional Information



Additional Information



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