



PRODUCT

MANUAL

EASY CHARGER



► Highlights

01 Dimensions (H x W x D): 210*160*126

02 Simple electrical installation.

03 Earth Leakage Protection: 6mA DC+ 30mA AC leakage detection is already in the charger, no Type B RCD required.

04 Compatible with 10mm² and 6mm² power wire.

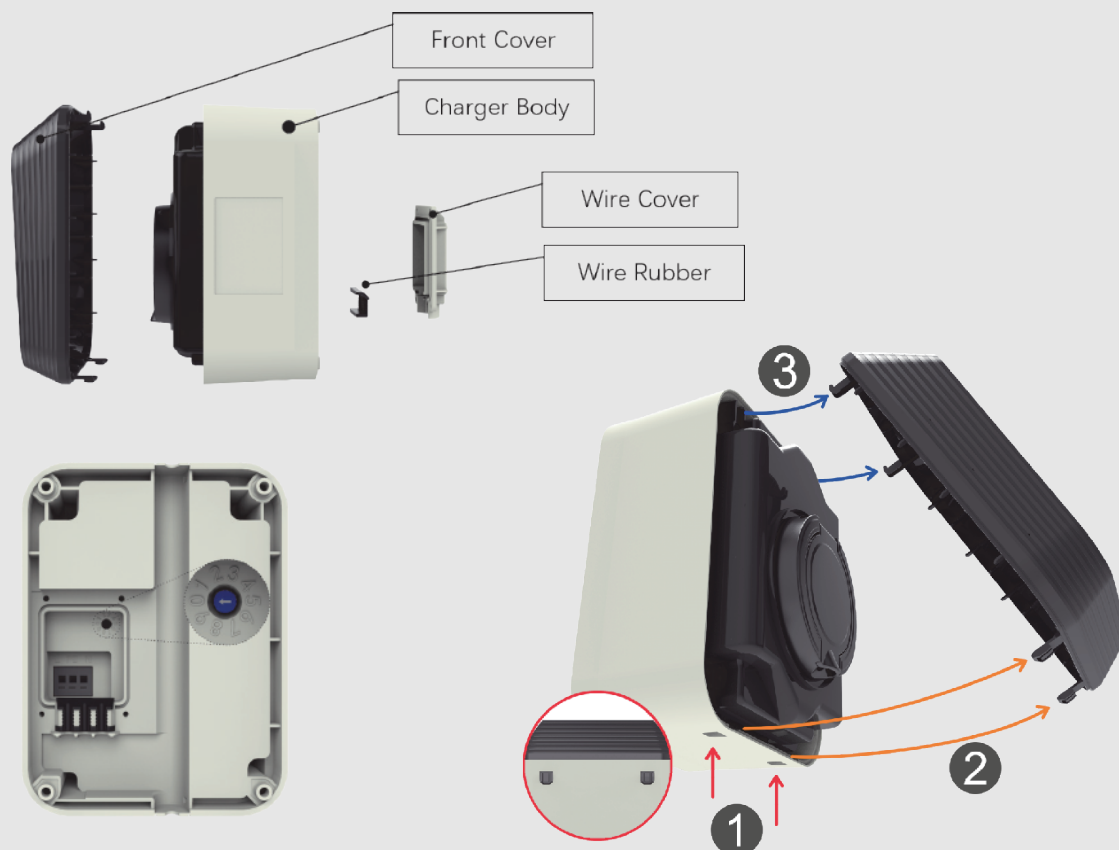
05 Wi-Fi connection: you can watch and setup the charger via Wi-Fi.

06 The electrical lock, the standard required and is safe for your using.

07 Costumed color, the shell can be colored various color.

08 Universal socket.

09 Power Ratings: it can be adjust via Wi-Fi or DIP switch.



► Technical Parameters

Rated Power	7 kW(Adjustable)
Rated Voltage	230 VAC (Single Phase)
LV Distribution	TN and IT power system
Voltage Range	230 VAC+20%
Rated Frequency	50Hz/60Hz
Frequency Range	50 Hz+1%
Rated Current	32A(Adjustable)
Charging Mode	Mode 3 , Case B
Dimensions (W x L x H)	160x210x126 mm
Model Order Code	EC-07/B
Effective	>99%
Standby Power Consumption	<5W
Noise	≤45dB
IP Degree	IP54
Ik Degree	IK08
Earth Leakage Protection	Type B
Ambient Temperature	-25~50°C
Operating Humidity	5%~98%
Standards	IEC 61851-1,IEC 61851-22,IEC 62196-2
Connector standard	TYPE 2 Socket meet IEC 62196-1 and IEC 62196-2
Certificate	CE by TUV Rheinland

H-Series Ac charger



► Highlights

- 01 Type B DC 6mA + 30mA AC leakage protector.
- 02 Built in O-Pen protection ensures a quick installation with no extra cost for an earth rod.
- 03 Load balancing management and solar matching function
- 04 Various start-up mode, Plug and play, RFID, APP, OCPP
- 05 OCPP1.6 Ready to integrate to payment & monitoring solution of your choice
- 06 3 charging modes (Fast, Eco and Eco+)
- 07 Remote software upgrade
- 08 LED indicating charge status

► Technical Parameters

Rated Power	7.4kW , 11kW , 22kW
Type of Connection	1P+N+PE , 3P+N+PE , 6-10mm ²
Nominal Supply	230VAC+15% , 400VAC+15%
AC Input Frequency	50Hz/60Hz
Adjustable Current	6A-32A Variable(Via APP)
Over Current Protection	40A Supply (external MCB)
RCD Protection	Built-in Type B RCD DC 6mA/AC 30mA (Industrial-grade protection)
Earthing arrangement	Built-in O-PEN protection
Standby Power Consumption	< 8W
Integrated Protections	Over and under voltage, Power overload, Short circuit, Dispersion currents, Missing ground connection, Surge, Over temperature
Connectivity	Bluetooth/WIFI/Ethernet/4G/RS485 Control charging with the LINCHR APP Built-in RFID reader, OCPP 1.6J
Solar Compatibility	ECO, ECO+, FAST
Load Balancing	Up to 32 units can be connected
Installation Network	TN, IT. and TT
Housing Material/Enclosure	PC+ASA(UL94 V-0 Fire Rated-the Highest Flame Classification)
Installation	Wall-mounting/Pedestal, Indoor/Outdoor
Socket	IEC 62196 Type 2, IP54 hinged lid, electrical lock(Compliance requested)
Protection(Enclosure)	IP55,IK10
Operating Temperature	-25°C -50°C
Humidity	5%~98%RH
H*W*D	260*260*100mm
Weight	Socketed 5kg, Tethered 7.5kg
Certification	CE,UKCA, ROHS, REACH (TUV)

7kW/22kWAC Charging Station

LINCHR AC charger is the most advanced charging solution and the most complete range of charging stations for electric vehicles available on the market today, LINCHR's European standard AC charger won the iF Design Award 2019 with an original and elegant design. It offers the best technology and functionality in terms of security and remote use through smart phone. The charging process can be started or stopped by swiping RFID cards or using smart phone APP, there are also a variety of charging modes such as plug and charge, which can be set according to the needs of users. The installation and maintenance is extremely simple and safe, as it is equipped with all the most advanced protections. The customer or ordinary maintenance personnel can open the maintenance cover to complete simple maintenance. Complex maintenance requires the professionals to open more parts for maintenance. Classified maintenance improves the personal safety of maintenance personnel and save the resources of professional maintenance personnel.



► Highlights

- 01 MID-certified kWh meter and type B leakage protector.
- 02 OCPP 1.6 Jcommunication protocol and WiFi 2.4 GHz.
- 03 7kW/11kW/22kW output power options.
- 04 Type 2 charging plug available.
- 05 Overall operation status monitoring, control and protection, ensuring the charging safety.
- 06 Charging data management, ensuring the integrity and security of users' charging data during the charging process.
- 07 CE certificate.
- 08 Wall box type or pedestal type options.
- 09 Various startup modes, RFID card, APP methods, plug and charge.
- 10 Classification of maintenance.
- 11 Web backend, upgradable through internet browser, displaying charge records, fault records.

► Technical Parameters

Model	ES-07-B/ES-07-C (Case B/CaseC)	ES-22-B/ES-22-C (Case B/CaseC)
Size	350mmx150mmx650mm	350mmx150mmx650mm
Standards	IEC61851-1:2017;IEC62196-2	IEC61851-1:2017;IEC62196-2
Basic product information		
OCPP verison communication protocol	OCPP 1.6	OCPP 1.6
Starting mode	RFID Card ,APP	RFID Card ,APP
Network interface	WIFI	WIFI
Installing mode	Wallbox;Standing	Wallbox;Standing
Cable length	5m	5m
Display mode	Digital tube and LED	Digital tube and LED
Basicelectricalinformation		
Rated power	7KW	22KW(Three phase)
Power supply system	TN-S,TN-C-S,TT,IT(IT system only supports voltage between L and L less than 240VAC)	TN-S,TN-C-S,TT,IT(IT system only supports voltage between L and L less than 240VAC)
Power wiring	1P+N+PE or 2P+PE	3P+N+PE or 3P+PE
Rated voltage	230VAC	400VAC (IT system only supportsvoltage betweenLand Less thar 240VAC)
Voltage ranges	220~240 VAC	380~415 VAC
Rated output current	32A	32A
Rated frequency	50Hz/60Hz	50Hz/60Hz
Frequency ranges	50 Hz ± 1% / 60 Hz ± 1 %	50 Hz ± 1% / 60 Hz ± 1%
Working temperature	-25°C~+50°C	-25°C~+50°C
IP grade	IP54	IP54
Standby power	<15W	<15W
Relative humidity	<95%	<95%
Protection function		
Main protection function	Overcurrent protection Type-B leakage protection; OvervoltageprotectionUndervoltage protectionRelayover-temperatureprotection; Charging connector holder over temperature protection CP fault protection;Relayadhesion protection;	Overcurrent protectionTypeB leakage protection. Overvoltage protectionUndervoltage protectionRelayover-temperature protection; Charging connectorholder over temperature protection; CP fault protection; Relay adhesion protect'on;

50kW-80kW CCS/CHAdeMO/GBT EU DC Fast Charger

Tailored for the global market, this product boasts enhanced data processing capabilities and a more sophisticated dispatching strategy. it seamlessly integrates with high-power charging systems for vehicles featuring Ccs/CHAdeMO/GBT interfaces. Utilizing precise control algorithms and thermal simulations, it significantly reduces charging system noise. Furthermore, it offers compatibility with 99.9% of electric vehicle models, catering to the charging requirements of diverse electric vehicles.



► Highlights

- 01 Supports remote fault diagnosis and controller OTA upgrade.
- 02 DC output range of 200-1000v, system power coverage range of 30-400kw, suitable for a wide range of electric vehicles.
- 03 Excellent high temperature performance, ensure full load operation and fast charging.
- 04 Multiple protection design to ensure the safety of drivers and vehicles.
- 05 Intelligent HMI, support a variety of communication interfaces, easy to operate.
- 06 Multi-region linkage sampling ensures comprehensive data collection across diverse environments, safeguarding system integrity and performance.

► Technical Parameters

Model	LCEFC1/50CJ2	LCEFC1/60CJ2	LCEFC1/80CJ2
Rated power	50kw	60kW	80kw
Dimensions (WxDxH)	800x500x2000mm		
Weight (kG)	<250KG		
Charging outlet	CCS/CHAdEMO/GBT, length:5m(customized)		
HMI	10.1-inch colortouchscreen		
Energy meter	MID		
Installation	Ground mounted		
Payment			
Paymentmode	RFID/Credit Card/Scan QR code(optional)		
input			
Voltage	400VAC+10%.3P+N+PE		
Frequency	45Hz-65Hz		
Current	77A	92A	123A
Power factor	≥0.99		
ITHD	≤5%		
Output			
Voltage	200-1000Vdc		
Current	CCS2 200A max. CHAdEM0 125A max.		
Power	CCS2 50kW max. CHAdEM0 50kW max.	CCS2 60kW max. CHAdEMO 60kW max.	CCs2 80kW max. CHAdEMO 62.5kW max.
Max efficiency	>95%		
Charging way	Meantime		
Environment			
Operating temperature	-30~+50°C		
Humidity	5%~95%RH,non-condensing		
Altitude	<2000m no derating required;>2000m,the working temperature decreases by 1°C for every 100m rise		
Protection Grade	IP54		
Application Site	Indoor/Outdoor		
Cooling method	Fan cooling		
Noise (labenvironment)	≤55dB		
Standards & certifications			
EVSE	PLC (DIN70121:2014-12 / IS015118)		
Back-end protocol	Ethernet,4G,OCPP1.6J		
Certification	CE&CB&UKCA&TR25&ADQCC&RCM		

120kW-160kW CCS/CHAdeMO/GBT EU DC Fast Charger

Tailored for the global market, this product boasts enhanced data processing capabilities and a more sophisticated dispatching strategy. It seamlessly integrates with high-power charging systems for vehicles featuring CCS/CHAdeMO/GBT interfaces. Utilizing precise control algorithms and thermal simulations, it significantly reduces charging system noise. Furthermore, it offers compatibility with 99.9% of electric vehicle models, catering to the charging requirements of diverse electric vehicles.



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- 05 Intelligent HMI, support a variety of communication interfaces, easy to operate.
- 06 Multi-region linkage sampling ensures comprehensive data collection across diverse environments, safeguarding system integrity and performance.

► Technical Parameters

Model	LCEFC1/120CJ2	LCEFC1/150CJ2	LCEFC1/160CJ2
Rated power	120kw	150kW	160kW
Dimensions (WxDxH)	850x610x2200mm		
Weight (kG)	<350KG		
Charging outlet	CCS/CHAdemo/GBT, length:5m(customized)		
HMI	10.1-inch colortouchscreen		
Energy meter	MID		
Installation	Ground mounted		
Payment			
Paymentmode	RFID/Credit Card/Scan QR code(optional)		
input			
Voltage	400VAC+10%.3P+N+PE		
Frequency	45Hz-65Hz		
Current	184A	230A	246A
Power factor	≥0.99		
ITHD	≤5%		
Output			
Voltage	200-1000Vdc		
Current	CCS2 200A max. CHAdemo 125A max.		
Power	CCS2 120kW max. CHAdemo 62.5kW max.	CCS2 150kW max. CHAdemo 62.5kW max.	CCs2 160kW max. CHAdemo 62.5kW max.
Max efficiency	>95%		
Charging way	Meantime		
Environment			
Operating temperature	-30~+50℃		
Humidity	5%~95%RH,non-condensing		
Altitude	<2000m no derating required;>2000m,the working temperature decreases by 1℃ for every 100m rise		
Protection Grade	IP54		
Application Site	Indoor/Outdoor		
Cooling method	Fan cooling		
Noise (labenvironment)	≤60dB		
Standards & certifications			
EVSE	PLC (DIN70121:2014-12 / IS015118)		
Back-end protocol	Ethernet,4G,OCPP1.6J		
Certification	CE&CB&UKCA&TR25&ADQCC&RCM		

180kW-240kW CCS/CHAdeMO/GBT EU DC Fast Charger

Tailored for the global market, this product boasts enhanced data processing capabilities and a more sophisticated dispatching strategy. It seamlessly integrates with high-power charging systems for vehicles featuring CCS/CHAdeMO/GBT interfaces. Utilizing precise control algorithms and thermal simulations, it significantly reduces charging system noise. Furthermore, it offers compatibility with 99.9% of electric vehicle models, catering to the charging requirements of diverse electric vehicles.



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- 06 Multi-region linkage sampling ensures comprehensive data collection across diverse environments, safeguarding system integrity and performance.

► Technical Parameters

Model	LCEFC1/180CJ2	LCEFC1/240CJ2
Rated power	180kw	240kW
Dimensions (WxDxH)	850x800x2200mm	
Weight (kG)	450KG	
Charging outlet	CCS/CHAdEMO/GBT, length:5m(customized)	
HMI	10.1-inch colortouchscreen	
Energy meter	MID	
Installation	Ground mounted	
Payment		
Paymentmode	RFID/Credit Card/Scan QR code(optional)	
input		
Voltage	400VAC+10%.3P+N+PE	
Frequency	45Hz-65Hz	
Current	276A	368A
Power factor	≥0.99	
ITHD	≤5%	
Output		
Voltage	200-1000Vdc	
Current	CCS2 300A max. CHAdEMO 125A max.	
Power	CCS2 180kW max. CHAdEMO 62.5kW max.	CCS2 240kW max. CHAdEMO 62.5kW max.
Max efficiency	>95%	
Charging way	Meantime	
Environment		
Operating temperature	-30~+50℃	
Humidity	5%~95%RH,non-condensing	
Altitude	<2000m no derating required;>2000m,the working temperature decreases by 1℃ for every 100m rise	
Protection Grade	IP54	
Application Site	Indoor/Outdoor	
Cooling method	Fan cooling	
Noise (labenvironment)	≤65dB	
Standards & certifications		
EVSE	PLC (DIN70121:2014-12 / IS015118)	
Back-end protocol	Ethernet,4G,OCPP1.6J	
Certification	CE&CB&UKCA&TR25&ADQCC&RCM	

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