

## E-Series 7kW/22kW AC EV Charger



# INFOGRAPHIC



IEC 61851

RoHS



RFID Card Sensing Area



Front Cover

## U Shape Atmosphere Light

Indicate the Status of Standby, Charging and Fault.  
Turn off automatically in 10 minutes in standby state for power saving.



## 6 Concealed LED Lamp

Display current, voltage, frequency and charging time

## Wifi Status Indicator

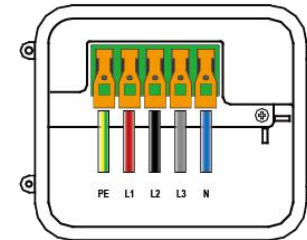
## Plug Status Indicator

## Charging Status Indicator

## Fault Indicator



MID Approved Meter



Wiring: TN, TT & IT

Type 2 Socket Outlet with Locking Solenoid

## 1. Futureproof Flexibility

- a. Enable and Disable charging by RFID Card
- b. Current is adjustable from 6A to 32A
- c. 22kw AC Chager support wiring of both 1 phase or 3 phase

## 2. Safety and Protection

- a. Evaluated and tested to the highest standards by third party authoritative organization
- b. Type B RCD leakage protection ensure safety
- c. IP54 Protection Level

## Applications

LINCHR E Series 7kW/22kW AC charger is designed for residence and commercial usage, we designed it with tethered and untethered type for your options, it is also available in pedestal and wall-mounted type for easy installation anywhere. Remote use design allows to swipe RFID card or smartphone to start or end the charging process.



MULTI-FAMILY  
HOUSES



BUSINESSES

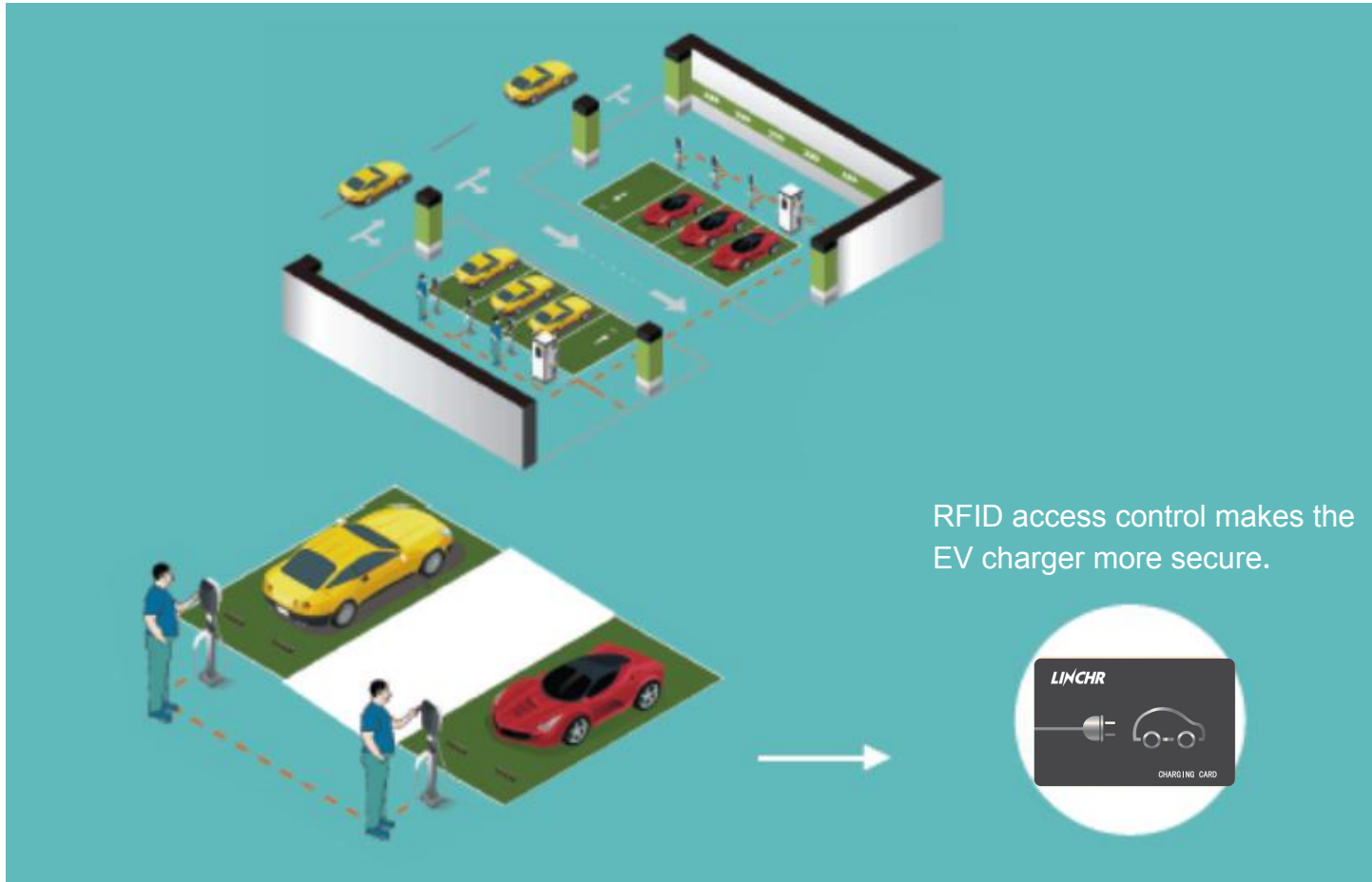


PUBLIC CHARGING



REAL ESTATE  
DEVELOPERS

## 1. Standalone Mode for Private Charging



The users can monitor the charger and set multiple parameters from their computer or smart phone.

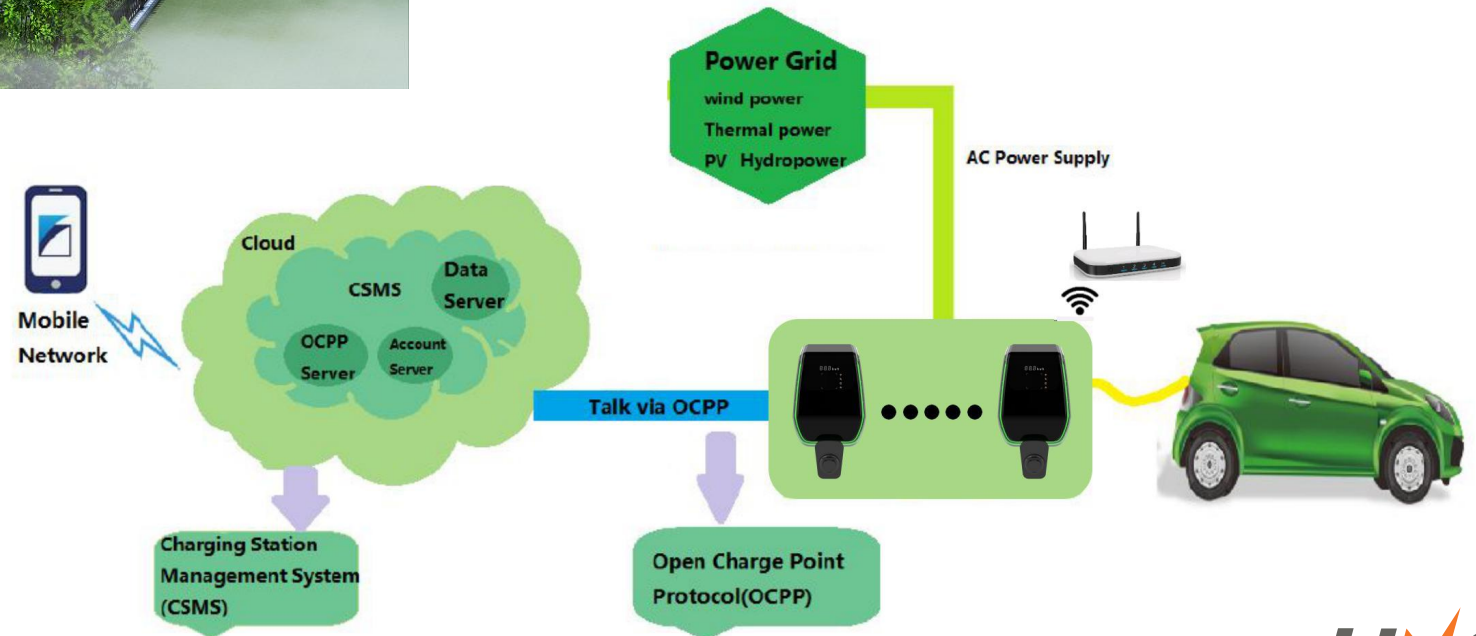




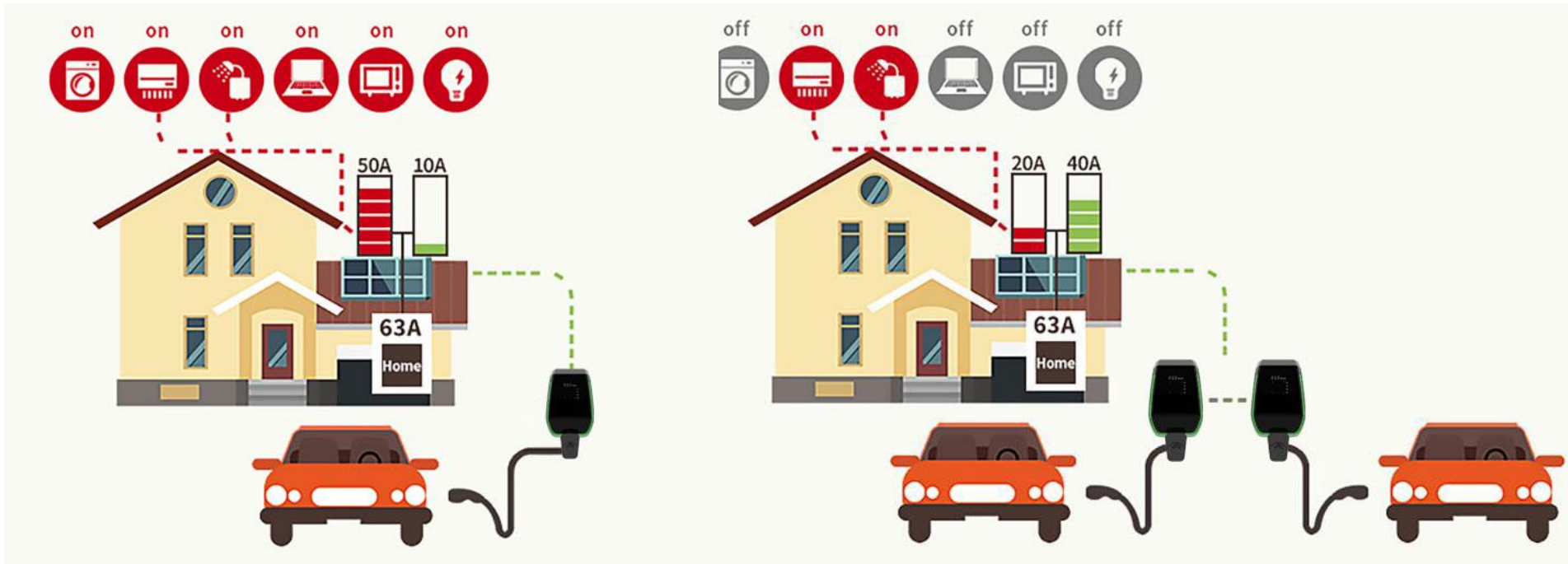
## 2. Network Mode for Public Charging



The backend can adjust the current value of the chargers to realize load balancing.

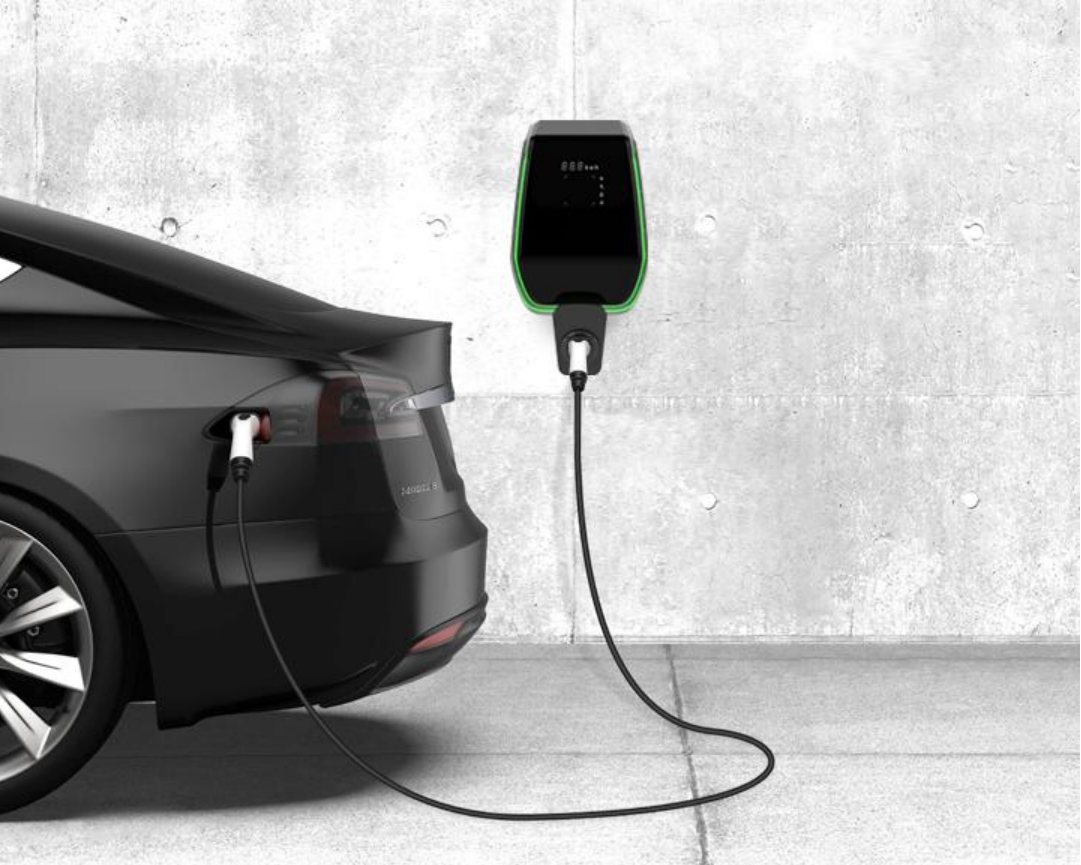


## 3. Load Balancing Function

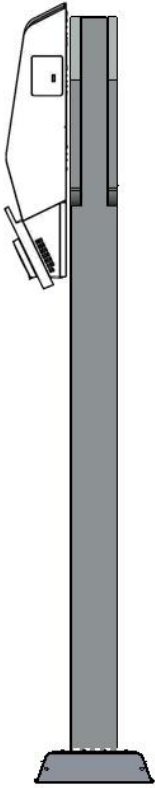


# Installation

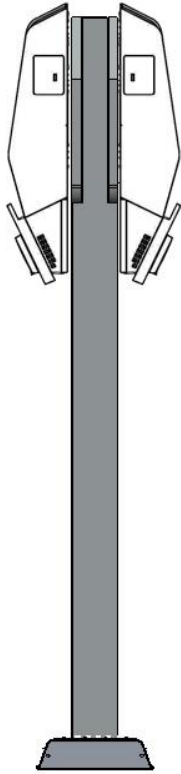
## a. Wall-mounted



## b. Pedestal



1 Pedestal 1 charger

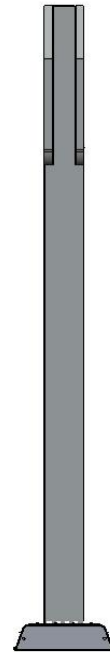
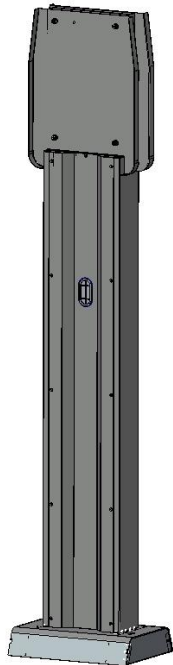
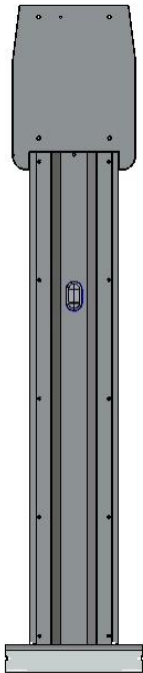


1 Pedestal 2 chargers



## Pedestal Parameters

- a. Material: Galvanized Metal Plate
- b. Physical Dimension:  $1461 \times 300 \times 224\text{mm}$
- c. Packing Size:  $1500 \times 310 \times 250\text{mm}$
- d. Diagrammatic Drawing:





## Electrical Specifications

Rated Power	7kW (1-ph) / 22kW (3-ph)
Rated Supply Voltage	230V AC 1-Phase or 400V AC 3-Phase (+/- 15%)
Voltage ranges	220-240 VAC,380-450VAC
Supply Frequency	50Hz/60Hz
Rated Current	32A
Startup Mode	RFID Card
Communication Interface	WiFi
Charging type	Socketed or Tethered model
Cable type	Socketed, Tethered Type 2 Cable
Cable length	Tethered Type 2 with 5M(16ft) Cable

## Safety and certification

Ground fault detection	Type B RCD leakage protector(30mA AC/6mA DC)
Operating temperature	-25° C to +50° C
Operating humidity	Max. 95% non-condensing
Protection Degree	IP54, IK08
CE certified	Yes
Compliance	IEC 61851-1:2019 ,CE Low voltage EU/2014/35, IEC 62196-2

## Connectivity & Installation

Authorization	RFID card - controller with RFID reader type Mifare
Status indication / HMI	Green/blue/red color for different status
WLAN communication	Wi-Fi 2.4 GHz (IEEE 802.11 b/g/n)
Communication Interfaces	RS485(Modbus) and CAN for load balancing
Charging protocol	OCPP 1.6 J
Maximum installation height	+2000 m(6560ft) above sea level

# SPECIFICATIONS

## Mechanical Specifications


Housing	PC+ASA Antiflaming UL94 V-0
Weight	Single Phase Untethered: 5.9kg Single Phase Tethered: 7.8kg Three Phase Untethered: 6.3kg Three Phase Tethered: 9.3kg
Mounting	Wall-mounted or pedestal
Enclosure Dimensions	350mmx150mmx650mm (Wall-Mounted)

## Features

- ✓ MID-certified kWh meter and type B leakage protector.
- ✓ OCPP 1.6 J communication protocol in WS/WSS and WiFi 2.4 GHz..
- ✓ Overall operation status monitoring, control and protection, ensuring the charging safety.
- ✓ Charging data management, ensuring the integrity and security of users charging data during the charging process.
- ✓ More energy efficient:< 15w standby power.
- ✓ RFID cards supported.
- ✓ Wireless firmware update.



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