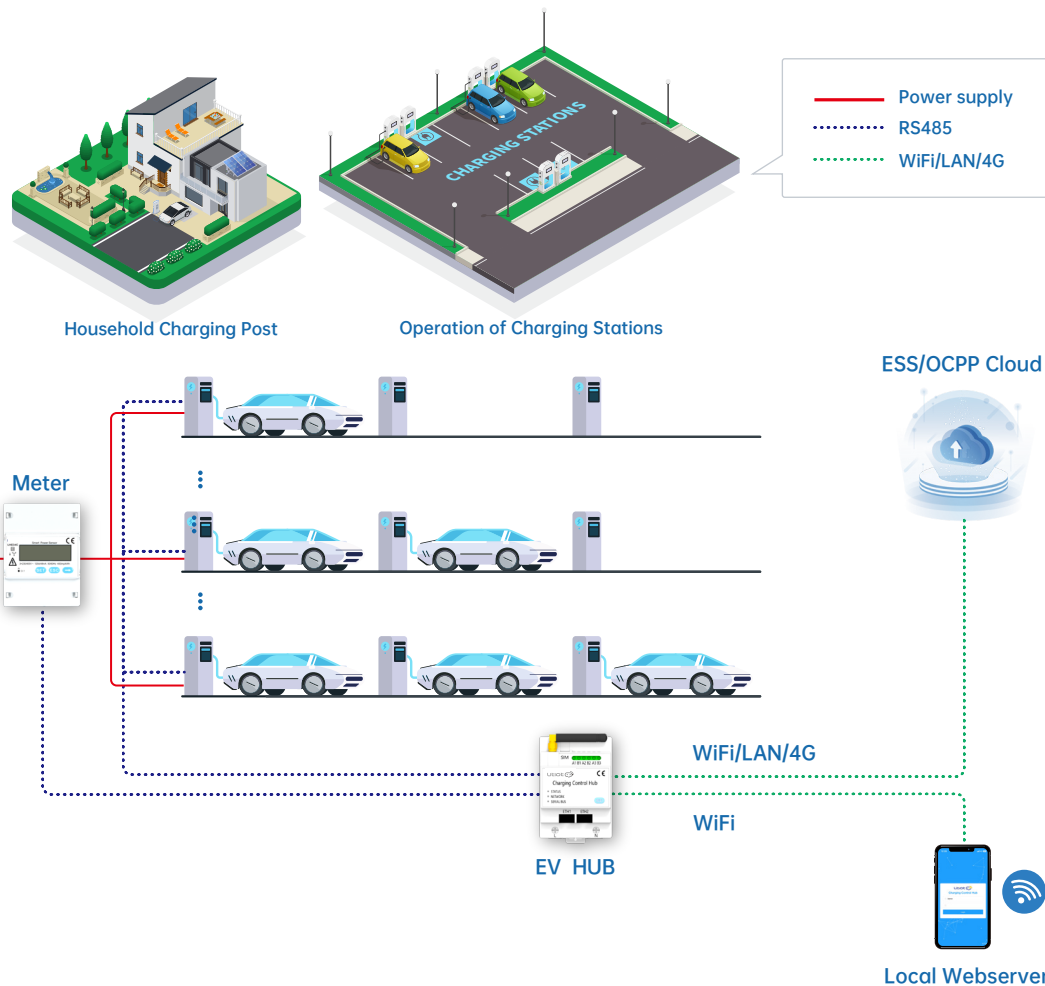


ENERGY MANAGEMENT SYSTEM FOR EV CHARGING FIELD



The charging control hub is an energy management system that can realize automatic load management, distribute energy intelligently, safely and efficiently throughout the charging station, optimize the grid load, improve energy usage efficiency, and reduce charging costs.

Application Scenario



FEATURES

- **Dynamic load management**

It can be connected to a smart meter to obtain the current energy consumption of the grid connection point and dynamically adjust the charging current of electric vehicles.

- **Three limit mode**

Support 3 limit mode, including "Amount limit", "Phase limit", "Individual EVC limit", Support dynamic charging strategies including "First come first served", "Average distribution".

- **Support cluster management control**

Multiple charging control hubs can networking through LAN connection to manage more EVC groups, make it easier for owner to manage cross spatial cluster.

- **Support overload protection and three-phase balance optimization**

Constant monitoring of energy consumption helps prevent your house connection from being overloaded.

SPECIFICATIONS

MODEL	LHECCH.R110
Electrical parameters	
Input voltage	3*220V/380V, ±20%
Operating power consumption	≤ 5W
way of communication	
Ethernet communication	Number of ways *2, 10/100Mbps Adaptive
WLAN communication	2.4GHz/ 802.11 b/g/n, support STA/AP/STA+AP model
4G communication	LTE Cat 4 ; LTE-FDD B1/3/5/7/8/20/28 ; LTE-TDD B38/40/41 (Regional differentiation in selectable spectrum bands)
Environmental parameters	
Operating temperature	-30 ~ +65°C
Working humidity	5% - 95%, Relative humidity non-condensing
Storage temperature	-40 ~ +70°C
Working altitude	≤ 2000m
Protection level	IP20
Physical parameters	
Dimensions (length*width*height)	105mm x 72mm x 66.5mm
Installation method	Guide rail type
System	
Operating System	Linux
Communication Protocol	OCPP 1.6/2.0 JSON
Memory	64M
Hard Storage	256M
Number of chargers connected	32