



Lumina AC Public Charger

Smart Public Charging

Designed for car parks, shopping centers, hotels and workplaces.





Product Features

User-friendly Display

The Lumina AC Public Charger features a clear user-friendly display, enabling easy access to key information such as payment, charging status, and user identification. This display ensures a seamless charging experience for EV drivers and operators, and simplifies the management of public charging networks and businesses.

Dynamic Load Balancing & Smart Charging

The charging station offers a high uptime of 22kW charging and intelligent dynamic load balancing. This feature reduces the peaks in your energy usage by adjusting power depending on energy consumption. The Lumina AC Public Charger is a smart, efficient and reliable charging solution for EV owners and operators with a 10-year working life.

Robust & Minimalistic Design

All of our charging solutions are designed for durability and longevity, the Lumina AC Public Charger is no exception. The charging station features a robust casing made from a stylish aluminium panel that can withstand daily use.



Safe & Easy Installation

The Lumina AC Public Charger features hardware protection, software protection and intelligent temperature control to ensure the safety of you and your electric vehicle. It has been designed to optimise your charging experience from the get-go. The charger has been tested and installed in-house to guarantee an installation time of just 20 minutes. The charger can be installed in series, further reducing large-scale installation time and costs. This type of installation allows for efficient power distribution, and enables multiple charging stations to be connected seamlessly, facilitating the management of public charging networks.

Seamless App Integration

The Lumina AC Public Charger can be managed effortlessly via your smartphone or tablet. Modify charging sessions at the tap of a button. Compatibility with 4G, LAN, Bluetooth, RFID, and NFC means there are a wealth of technologies available depending on your requirements.





Core Advantages

Dynamic Load Balancing & Smart Charging

Aluminum Alloy Panel

User-friendly Display

Daisy-chain Installation

Robust & Minimalistic Design

Seamless App Integration



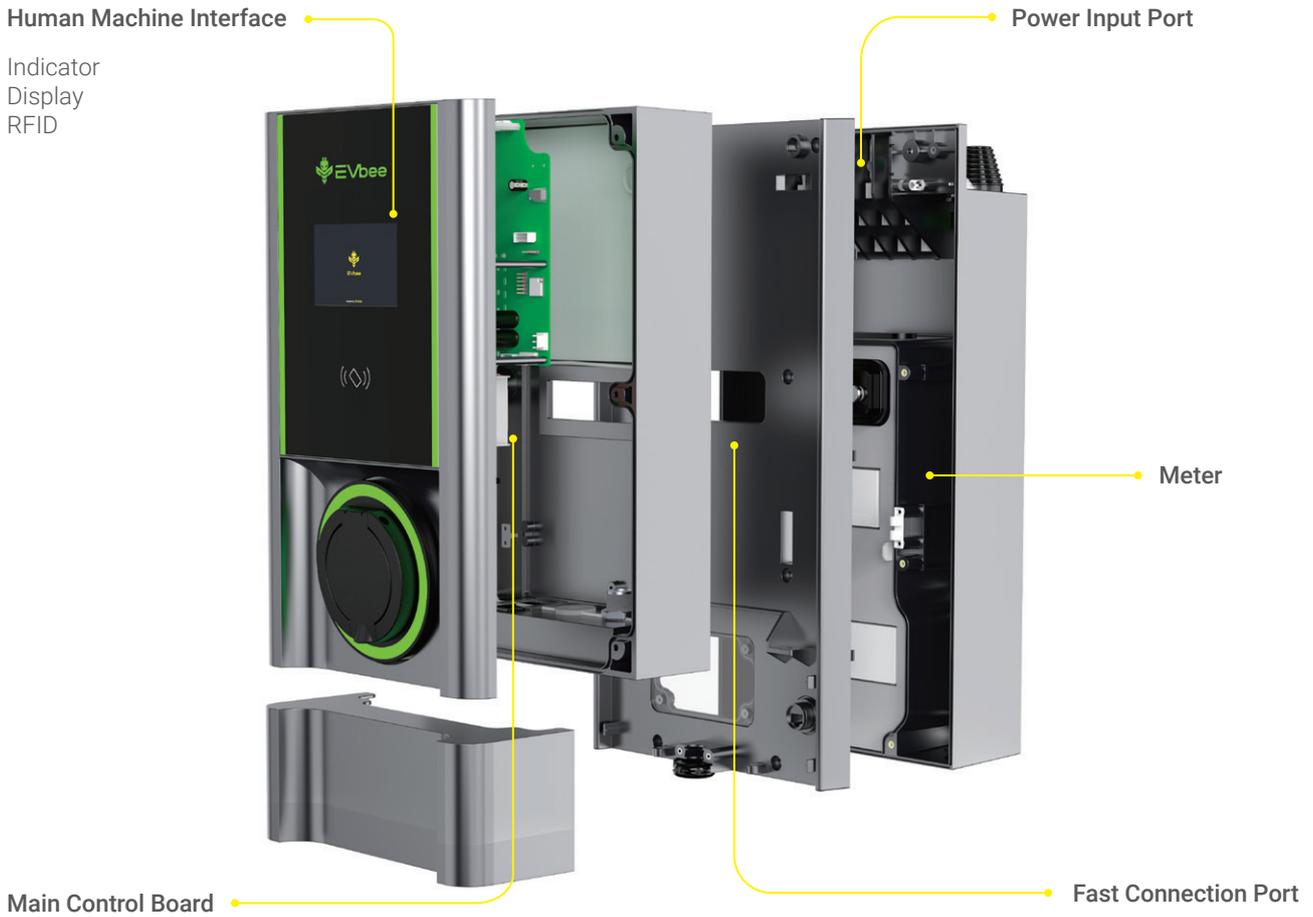


Technical Data

	Main Product	Single Charger	Dual Chargers	Wallbox
General	Dimensions(mm)	L1200xW260xD247max. L1200xW260xD352max. L500xW260xD199max.		
	Weight	<35kg	<48kg	<18kg
	Operating Temperature	-30°C to +50°C		
	Storage Temperature	-40°C to +80°C		
	Material	Plastic and aluminium alloy		
	Certifications	CE/UKCA		
	Charging	Charging Power	22kW	22kW x 2
Charging Current		6~32A		
Voltage		230/400V (1/3-phase, 50-60Hz)		
Charging Mode		Mode 3		
Charging Socket		Type 2		
Fixed Charging Cable		No		
Energy Metering		Integrated MID meter (±1%) accuracy on readings		
Interface	User App and Configuration	Control charging with the EVbee app		
	Charging Status	Dynamic LED ring for charging status		
	Authentication	RFID/NFC reader or app		
	Cloud Connection/Network	WiFi, 4G LTE, LAN		
	Communications Protocol	OCPP 1.6J, OCPP 2.0.1 (future)		
	Installer App and Configuration	Configure with the installer app through Bluetooth Low Energy (BLE 4.2)		
Safety and Protection	RCBO	30mA AC + 6mA DC		
	Overvoltage Category	III		
	Insulation Class	I		
	Fire Classification	UL94		
	IP Rating	IP54		
	Impact Resistance	IK08		
	Temperature Monitoring	Internal sensors		



Modular Design



Advantages of Modular Design



Prefabrication Production
Efficient Delivery



Double Layer Protection
Eliminate Electrical Risks



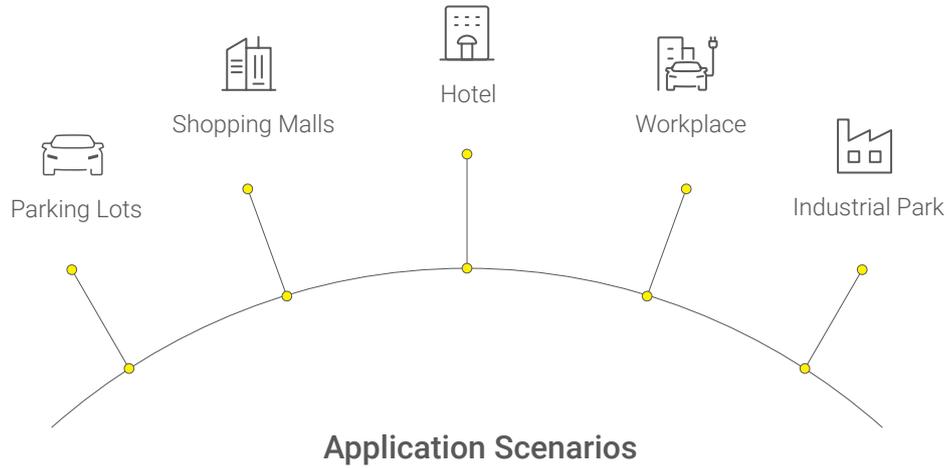
Modular Code Identification
Convenient Replacement



Reduce Operating Costs
Increase Income



Application Scenarios



Parking Lots	Ideal for charging electric vehicles in parking lots with a high footfall.
Shopping Mall	Perfect for commercial centers, including transportation hubs, shopping malls, technology parks, and retail parks. Suitable for use with taxi apps, logistics vehicles, and private vehicles.
Hotel	Suitable for charging self-driving EVs, and the electrical vehicles of customers, business travelers, and hotel employees etc.
Workplace	Designed for electrical vehicle charging in office parking lots, providing charging for employees and customers even during high demand.
Industrial Park	Suited for charging operating vehicles that require stable and convenient emergency replenishment. The Lumina AC Public Charger also provides convenient charging for electric vehicles of industrial park staff, business employees, and external business personnel.

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