



Electric Motorcycle Low-Voltage Vehicle Fast Charging Stations

Suzhou Niuera Energy Co., Ltd.





Single Phase E-motorcycle Fast Charging Station

3.6 kW / 7.2 kW



Product Overview

Designed for public charging of light electric vehicles (2W/3W). Supports 3.6 kW single-gun and 7.2 kW dual-gun (customizable); column or wall-mounted for small to medium scenarios. Cabinet-style enclosure resistant to high temperature, humidity, dust, and salt spray. Color touchscreen with multi-language and multi-payment support. The 7.2 kW version features dynamic power transfer between guns. Supports OCPP and remote monitoring. Noise below 60 dB.



Cabinet Structure

The cabinet-style design provides strong protection, facilitates inspection and maintenance, and is suitable for small and medium-sized fixed scenarios such as community parking lots and commercial charging points.



Flexible Installation

Supports both column and wall mounting installation methods, requiring no complex modifications.



Fast Charging

A standard 72V 50AH electric motorcycle battery can be recharged in 10-15 minutes, with independent output when both guns are used simultaneously.



Intelligent Interaction

Supports multiple languages including English and French, and payment methods such as QR code scanning, RFID card swiping, and password.



Safe and Reliable

It features multiple protections including input/output over/under voltage, overcurrent, short circuit, reverse connection protection, lightning protection, over-temperature protection, leakage protection, and power-off protection when the cabinet door is opened.



Wide Compatibility

Supports Type 6 interface, compatible with mainstream fast charging adapters such as Type 2 and T-type plugs; optimized for light electric vehicles, compatible with 1.5-8kWh battery packs.



High Efficiency and Energy Saving

It has low energy consumption, modular design for easy replacement in case of failure, and accurate metering function to adapt to operating scenarios.



Low Noise Operation

Operating noise is less than 60dB, suitable for various indoor and outdoor scenarios, with no significant noise interference.

Parameters and Specifications

Model	L1K-36-S/T6	L1K-72-D/T6
Power	3.6kW (single gun)	7.2kW (dual guns)
Input Voltage	Single phase 90~265Vac	Single phase 90~265Vac
Input Frequency Range	47~63Hz	47~63Hz
Output Voltage	30~120V adjustable (customizable)	30~120V adjustable (customizable)
Output Current	Max 60A (Customizable)	Max 60A/gun Max 120A for single-gun power transfer (customizable)
Voltage Accuracy	≤±1%	≤±1%
Efficiency	≥95%	≥95%
Power Factor	≥0.98@220Vac	≥0.98@220Vac
Protection level	IP55	IP55
Size	1385x280x148mm	1385x280x148mm
Weight	30kg	35kg
Cable Length	2 m (customizable)	2 m (customizable)
Communication Methods	Supports OCPP1.6J, 4G, and Ethernet; WiFi optional compatible with POS machines	Supports OCPP1.6J, 4G, and Ethernet; WiFi optional compatible with POS machines
Applicable Battery Packs	1.5-8kWh battery packs for light electric vehicles (2W/3W)	1.5-8kWh battery packs for light electric vehicles (2W/3W)
Operating Noise	< 60dB	< 60dB

Application Scenarios



Commercial Scenarios

Suitable for power replenishment of small food delivery and express delivery stations and construction site vehicles.

Public Scenes

Suitable for small public areas such as community parking lots and subway station areas.

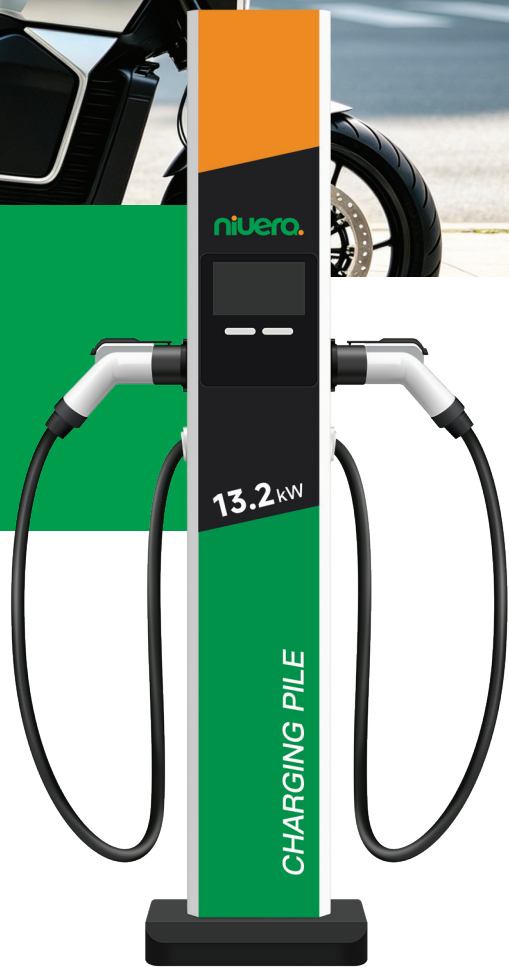
Overseas Scenarios

In the Southeast Asian market, Type 6 and other mainstream local interface devices can be deployed.



Three Phase E-motorcycle Fast Charging Station

6.6 kW / 13.2 kW



Product Overview

Designed for medium to large-scale commercial and public charging of light electric vehicles (2W/3W). Supports 6.6 kW single-gun and 13.2 kW dual-gun (customizable); integrated floor-standing structure with one-piece molded enclosure, compact and easy to install. High protection rating for harsh outdoor environments. Color touchscreen with multi-language and multi-payment support. Supports OCPP and remote monitoring. Certified for international markets. Noise below 60 dB.



Floor-standing Structure

No complex fixed wiring is required, reducing installation costs and shortening the deployment cycle.



High Protection Level

With IP55 protection, it boasts excellent sealing performance and can withstand sand, rain, and salt spray corrosion.



Fast Charging

For a 72V 50AH battery (SOC 20%-80%), it can be recharged in 6-10 minutes.



Intelligent Interaction

7-inch color touchscreen, supports split-screen display, multiple languages, and payment methods including QR code scanning, RFID card swiping, and password payment.



Safe and Reliable

It has multiple protections including input and output over/under voltage, overcurrent, short circuit, reverse connection protection, lightning protection, overtemperature protection, leakage protection, and power-off protection when the cabinet door is opened.



Wide Compatibility

Supports Type 6 interface, adapts to various mainstream connectors, and is compatible with mainstream light electric vehicles.



High Efficiency and Energy Saving

The modular design facilitates fault replacement, and the accurate metering function is adapted to operational scenarios.



Low Noise Operation

Operating noise is less than 60dB, suitable for various indoor and outdoor scenarios, with no significant noise interference.

Parameters and Specifications

Model	L2K-66-S/T6	L2K-132-D/T6
Power	6.6kW (single gun)	13.2kW (dual guns)
Input Voltage	Three-phase 320~480Vac	Three-phase 320~480Vac
Input Frequency Range	47~63Hz	47~63Hz
Output Voltage	48~100V adjustable (customizable)	48~100V adjustable (customizable)
Output Current	Max 80A (Customizable)	Max 80A/gun Max 160A for single-gun power transfer (customizable)
Voltage Accuracy	≤±1%	≤±1%
Efficiency	≥93%@380Vac	≥93%@380Vac
Power Factor	≥0.97@380Vac	≥0.97@380Vac
Protection level	IP55	IP55
Size	1625x256x134mm base: 364x264mm	1625x256x134mm base: 364x264mm
Weight	45kg	45kg
Cable Length	2 m (customizable)	2 m (customizable)
Communication Methods	Supports OCPP1.6J, 4G, and Ethernet; WiFi optional compatible with POS machines	Supports OCPP1.6J, 4G, and Ethernet; WiFi optional compatible with POS machines
Applicable Battery Packs	3-15kWh battery packs for light electric vehicles (2W/3W)	3-15kWh battery packs for light electric vehicles (2W/3W)
Operating Noise	< 60dB	< 60dB

Application Scenarios



Commercial Scenarios

Suitable for power replenishment of small food delivery and express delivery stations and construction site vehicles.

Public Scenes

Suitable for small public areas such as community parking lots and subway station areas.

Integrated Charging and Swapping Scenarios

The 13.2KW dual-gun version can supply power to the battery swapping cabinet when one side is idle.

Overseas Scenarios

Corresponding interface versions can be deployed in markets such as Southeast Asia, Africa, and India.



3.6kW Floor-standing Fast EV Charger for Electric Motorcycles

Single-phase Input · Single-connector Fast Charging · Type 6 Connector



Product Overview

The L3K-36-S/T6 is a 3.6kW single-connector floor-standing DC fast charger specifically designed for the rapid charging of electric motorcycles (two-wheelers and three-wheelers) in commercial storefronts and public charging scenarios. It can be flexibly deployed in front-of-store spaces such as supermarkets, fast-food restaurants, and convenience stores, allowing for quick installation without the need for extensive civil engineering.

- ### Compact and Sleek Design

Weighing approximately 22kg, it is easy to transport and can be installed and deployed by a single person.
- ### Easy Deployment

Its small footprint saves valuable space and makes installation effortless.
- ### Robust and Reliable

IP55 high protection rating, dustproof, rainproof, and salt spray corrosion resistant, adapting to harsh outdoor environments.
- ### Ultra-fast Charging

Rated 3.6kW output, compatible with 48V/60V/72V lithium batteries (LiFePO4/NMC). Supports 1C-3C charging rates for rapid power replenishment.
- ### Wide Compatibility

Compatible with mainstream 48V/60V/72V lithium battery systems for electric motorcycles and tricycles, and suitable for 50-60Ah lightweight electric vehicles.
- ### Smart Operations and Connectivity

Features a 4.3-inch color touchscreen with multi-language support. Built-in 4G full-band module enables remote communication and data uploading.

Parameters and Specifications

Model	L3K-36-S/T6
Power	3.6kW (single gun)
Input Voltage	Single-phase 220Vac (90~265Vac)
Input Frequency Range	47~63Hz
Output Voltage	30~120VDC
Input Current	≤20A
Rated Output Current	50A @72V
Maximum Output Current	60A
Voltage Regulation Accuracy	≤±1%
Current Regulation Accuracy	≤±1%
Efficiency	≥93% @220Vac
Power Factor	≥0.99 @220Vac
Standby Power Consumption	<15W
Cooling Method	Forced air cooling (temperature-controlled variable speed fan), top air outlet
Protection Rating	IP55
Operating Temperature	-20°C ~ +55°C (-40°C startup capable)
Storage Temperature	-40°C ~ +70°C
Noise	≤55dB (sound pressure, 1m from machine)
Charging Interface	Type 6 (IEC 62196-6:2022), customization supported
Communication Method	4G Full Netcom / CAN 2.0B / Ethernet (WiFi optional)
Operation Protocol	OCPP 1.6J
Dimensions	138mm(W) × 210mm(D) × 1367mm(H)
Weight	Approx. 22kg

Application Scenarios



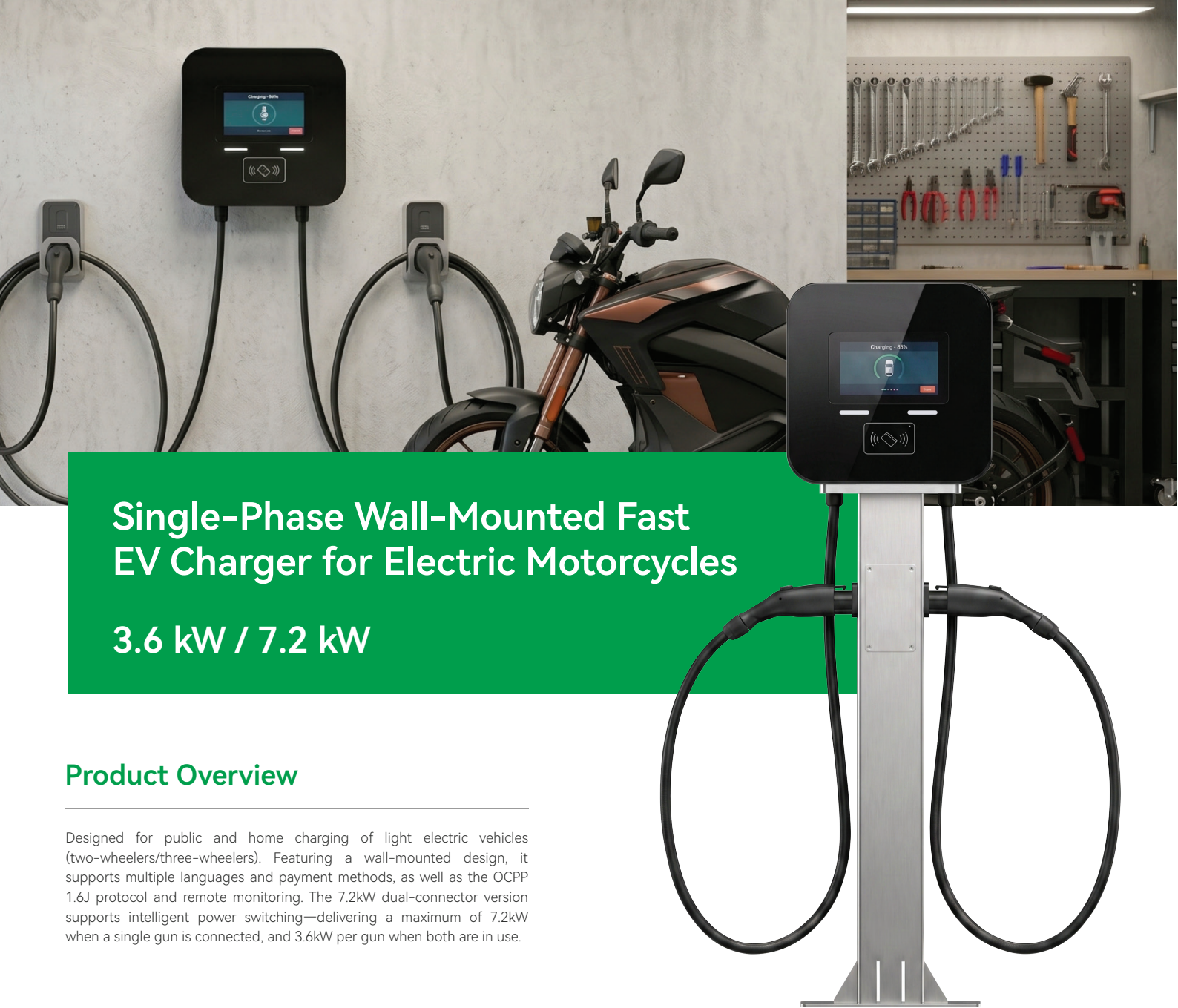
- ### Commercial Stores

Delivery riders can quickly recharge during their wait for takeout orders, adding 15~20 km of range in just 15~20 minutes.
- ### Communities and Public Services

Works alongside battery swap cabinets to provide fast charging top-ups. Simply scan the QR code to start charging instantly, with zero waiting time.
- ### Logistics Delivery Stations

Delivery riders can charge their vehicles while picking up goods at the warehouse. The backend OCPP system enables unified management of charging records and billing settlements.
- ### Overseas Markets

Supports Type 6 standard connectors or customized local mainstream plugs to meet the charging demands of major motorcycle markets.



Single-Phase Wall-Mounted Fast EV Charger for Electric Motorcycles

3.6 kW / 7.2 kW

Product Overview

Designed for public and home charging of light electric vehicles (two-wheelers/three-wheelers). Featuring a wall-mounted design, it supports multiple languages and payment methods, as well as the OCPP 1.6J protocol and remote monitoring. The 7.2kW dual-connector version supports intelligent power switching—delivering a maximum of 7.2kW when a single gun is connected, and 3.6kW per gun when both are in use.



White Small Appliance Style

Wall-mounted design, rounded rectangular body, compact and attractive, white matte finish, suitable for home and public scenarios.



Intelligent Power Switching

The 7.2kW dual-gun version supports dynamic power allocation: full 7.2kW output when one gun is connected, and independent 3.6kW charging for each when both guns are connected.



Color Touch Screen

3.6kW model with 4.3-inch LCD, 7.2kW model with 7-inch LCD, supports multi-language interface, intuitive and user-friendly interaction.



Safe and Reliable

Multiple protections including over/under-voltage, overcurrent, short circuit, reverse connection, lightning protection, over-temperature, leakage protection, and emergency stop.



Flexible Installation

Primarily designed for wall mounting, also compatible with pedestal installation. Requires no complex modifications and occupies no floor space.



Wide Compatibility

Supports Type 6 interface, compatible with mainstream fast charging adapters such as Type 2 and T-type plugs; suitable for 1.5~8kWh battery packs.



Fast Charging

Fully charges a standard 72V 50AH electric motorcycle battery in 10~15 minutes; dual-gun independent output enhances efficiency.



Low Noise Operation

Operating noise ≤55dB. Silent design suitable for various indoor and outdoor scenarios with no noticeable noise interference.

Parameters and Specifications

Model	G1K-36-S/T6	G1K-72-D/T6
Power	3.6kW (single gun)	3.6kW (single gun)
Rated Power	3.6kW (Single Gun)	7.2kW (Dual Gun Full Load) / 3.6kW (Single Gun Full Load)
Input Voltage	Single Phase AC 90~265Vac	Single Phase AC 90~265Vac
Input Frequency	47~63Hz	47~63Hz
Input Current	Approx. 16A @220Vac	Approx. 32A @220Vac
Output Voltage	DC 20~120V Adjustable (Customizable)	DC 20~120V Adjustable (Customizable)
Max Output Current	60A	Single Channel Max 60A / Single Gun Switching Max 100A
Rated Output Current @72V	Approx. 50A	Dual Guns Approx. 50A Each / Single Gun Switching Approx. 100A
Number of Charging Guns	1 (Single Gun)	2 (Dual Gun, Independent Control)
Charging Interface	Type 6 (First Sample), Cable Rated 60A	Type 6 x2 (First Sample), Cable Rated 120A
Power Switching	None	Supported: Single Gun 7.2kW / Dual Guns 3.6kW Each
Metering Method	Integrated Metering Chip + Shunt	Integrated Metering Chip + Independent Shunts for Each Channel
Metering Accuracy	±1%	±1% (Independent per Channel)
Power Factor	≥0.99 @220Vac	≥0.99 @220Vac
Overall Efficiency	≥92% (Full Load)	≥92% (Full Load)
Communication Method	OCPP 1.6J, 4G, RS485/CAN	OCPP 1.6J, 4G, RS485/CAN
Protection Rating	IP54	IP54
Operating Temperature	-20°C ~ +55°C (Derate >40°C)	-20°C ~ +55°C (Derate >40°C)
Installation Method	Wall-mounted (Main) / Pedestal	Wall-mounted (Main) / Pedestal
Cable Length	2m (Customizable)	2m (Customizable)
Dimensions	436mm(W) × 184mm(D) × 385mm(H)	436mm(W) × 184mm(D) × 385mm(H)
Operating Noise	≤55dB (1m from unit)	≤55dB (1m from unit)

Application Scenarios



Home / Private Garage

Compact and stylish wall-mounted design, perfect for home use and saves floor space.

Public Charging Station / Public Operation Point

Community parking lots, curbside charging corners; connected to the OCPP platform for unified management and billing.

Rider Service Station / Commercial District

The dual-gun version supports fast charging for two vehicles simultaneously, improving station utilization efficiency.

Overseas Markets

Wide voltage input adapts to grid fluctuations in Southeast Asia, Africa, and India; Type 6 is compatible with mainstream local interfaces.



Photovoltaic DC Charging Pile

48V / 72V



Product Overview

Designed specifically for Africa and developing regions, this all-photovoltaic power supply offers high cost-effectiveness and low cost, providing stable off-grid charging. It's compatible with electric motorcycles, tricycles, construction vehicles, and light mobility scooters. The streamlined design strictly controls costs while retaining core fast-charging performance; it supports 15V-55V photovoltaic input, 2kW maximum power, and a 95% high conversion rate, featuring efficient MPPT photovoltaic tracking; it's heat-resistant and dust-resistant, and its multi-channel design allows for simultaneous charging of multiple vehicles.



Low-Cost Operation and Maintenance

The equipment has a simple structure with no complex modules, making it easy and cost-effective to maintain. No professional maintenance team is required; routine cleaning is sufficient to ensure normal operation.



Efficient Use Of Light

Equipped with the MPPT (Maximum Power Point Tracking) algorithm, its power generation efficiency is 10%-15% higher than that of ordinary photovoltaic charging equipment.



Durable and Adaptable

Featuring a highly protective, high- and low-temperature resistant, and dust-proof shell design, it is well-suited to the hot and dusty climate of Africa, boasting a low failure rate, long service life, and eliminating the need for frequent maintenance and replacement.



Photovoltaic Power Supply

It does not require connection to any power grid, relies entirely on solar power generation, and does not incur grid connection or electricity costs.



Multi-Channel Output

It supports 4-channel photovoltaic input (maximum 700W per channel), and the number of photovoltaic panels can be flexibly configured according to local sunlight conditions; it also supports 4-channel charging output, with a maximum of 2000W per channel, which can charge multiple electric motorcycles simultaneously.



Simple to Operate

No complicated operating procedures, no network connection required, it automatically generates electricity and charges upon power-on.

Parameters and Specifications

Model	FGC-48/R4	FGC-72/R4
Power	48V	72V
Photovoltaic Input Voltage	15~55V	15~55V
Photovoltaic Input Current	18A (per line)	18A (per line)
Photovoltaic Input Power	700W x 4 (Maximum value per channel)	700W x 4 (Maximum value per channel)
AC-DC Input Voltage	None (pure photovoltaic power supply)	None (pure photovoltaic power supply)
AC-DC Input Current	None (pure photovoltaic power supply)	None (pure photovoltaic power supply)
Output Voltage	40~58.4V	60~87.6V
Output Current	40A (Maximum value per channel)	40A (Maximum value per channel)
Output Power	2000W (per line)	2000W (per line)
Efficiency	≥95%	≥95%
Protection Level	IP54 (dustproof, splashproof)	IP54 (dustproof, splashproof)
Size	426.6mm×199mm×46.1mm (Simple and compact, easy to deploy)	426.6mm×199mm×46.1mm (Simple and compact, easy to deploy)
Weight	≤5kg (lightweight, easy to move and install)	≤5kg (lightweight, easy to move and install)
Operating Temperature	-10℃ to +60℃ (suitable for high-temperature environments)	-10℃ to +60℃ (suitable for high-temperature environments)
Storage Temperature	-40℃~+95℃	-40℃~+95℃
Noise	≤65dB (no noticeable noise, suitable for various scenarios)	≤65dB (no noticeable noise, suitable for various scenarios)

Application Scenarios



Rural and Remote Areas

Suitable for areas with no power grid coverage, such as rural and remote mountainous areas in Africa.

Small Operating Sites

Small electric motorcycle operating points and express delivery stations suitable for African towns

Farm and Construction Site Scenes

It can generate its own power by relying on sufficient sunlight, without the need to lay additional power lines.

Underdeveloped Communities

The equipment is easy to operate and requires no professional management, reducing the investment cost of community energy replenishment facilities.



Portable Home Charging Station

1.5 kW / 2.2 kW



BXJ-16 Intelligent Adjustable



BXJ-22 High-Power CAN



BXJ-20 Standard CAN

Parameters and Specifications

Model	BXJ-16 Intelligent Adjustable	BXJ-20 Standard CAN	BXJ-22 High-Power CAN
Power	1650W	2000W	2200W
Input Voltage	200~240Vac	200~240Vac	200~240Vac
Output Voltage	42~104V continuous adjustable	30~90V CAN control	30~86V continuous adjustable
Output Current	5~22A continuous adjustable	0~25A CAN control	1~30A continuous adjustable
Input Frequency Range	47~63Hz	47~63Hz	47~63Hz
Efficiency	≥94%	≥94%	≥92% (maximum 93%)
Power Factor	/	≥0.99	≥0.97
Protection level	IP65	IP67 (fan not included)	IP67
Cooling Method	Forced air cooling	Air-cooled	Built-in fan for air cooling
Intelligent Control	Bluetooth + WeChat mini-program customizable voltage and current	CAN bus communication, compatible with the Chinese CC/CP.	CAN bus communication built-in pre-charge function.
Core Features	Exclusively for the aftermarket Voltage and current are freely adjustable To meet personalized modification needs	Standard model for home use Compatible with electric motorcycles Universal for home use/emergency use	High-power fast charging version Wide grid compatibility Faster charging speed

Application Scenarios



Household Daily Life

It can be used simply by plugging it in in the garage or on the balcony, meeting the home charging needs of daily commuting vehicles.

Modification and Adaptation

For lithium-ion battery-modified vehicles, the adjustable charging parameters support customization, perfectly matching the personalized modified battery.

Outdoor Emergency

In scenarios where there are no fixed charging points, such as camping, outings, and construction sites, it can meet the needs of temporary emergency power replenishment.

Compatible Vehicle Models

The entire series is compatible with all types of electric motorcycles, covering mainstream light electric mobility models on the market.

Product Overview

This full range of portable charging devices is designed specifically for electric motorcycles and lithium-ion battery-modified models, covering all scenarios from daily home charging to customized charging and emergency outdoor charging. The three products are designed to meet the needs of different users, and are compact, portable, intelligent, and safe, making them the ideal portable charging choice for light electric travel.



Intelligent Communication Control

The entire series is equipped with an intelligent communication solution, supporting CAN bus/Bluetooth mini-program, and the charging status is visible and controllable.



Wide Voltage Compatibility

The entire series is compatible with wide-range power grid input, allowing for plug-and-play use in homes without complex modifications.



Fully Lithium Battery Compatible

Compatible with mainstream 48V/72V/96V ternary/lithium iron phosphate batteries, covering the mainstream electric motorcycles on the market.



High protection level

With IP65/IP67 high protection, it can be used safely in rainy weather and outdoors, and is fearless in complex environments.



Multiple Security Protections

Built-in comprehensive protection including overvoltage, undervoltage, overcurrent, short circuit, overtemperature, and reverse connection ensures safe and stable charging throughout the entire process.



Distributed Charging Pile

20–40 kW main unit
4–10 terminal piles

Product Overview

Distributed charging piles are centralized charging devices designed for large-scale charging scenarios. The main unit has a power of 20–40KW and can connect 4–10 terminal charging piles, enabling multiple electric motorcycles, electric tricycles, utility vehicles and light vehicles to charge simultaneously. They are suitable for large charging stations, logistics parks, electric motorcycle production bases, construction sites and other scenarios.



High Reliability

It has comprehensive protection and alarm functions, the module has a built-in discharge circuit to improve charging safety, and the module has a built-in battery current anti-reverse current protection circuit.



High Efficiency and Energy Saving

The charging module has a peak efficiency of up to 97%, an overall efficiency of >96%, and ultra-low standby power consumption (<5W), reducing energy waste.



Intelligent Control

It adopts dual DSP digital control, supports voltage and current adjustment, intelligent fan speed regulation, reduces noise, and is suitable for urban sites.



One Machine With Multiple Terminals

It can charge 4–10 electric motorcycles at the same time, improving the utilization rate of charging stations.



Intelligent Power Scheduling

The system monitors the usage status of each terminal in real time, automatically allocates power to maximize charging efficiency, and can allocate power to other terminal piles when some terminal piles are not in use.



Hot-Swappable Design

The charging module supports hot-swapping, which facilitates maintenance and upgrades, and the module can be replaced without downtime.

Parameters and Specifications

Model	Q1K-2K-4/T6	Q2K-3K-6/T6	Q3K-4K-8/T6
Power	20kW	30kW	40kW
Output Voltage	30~120V adjustable	30~120V adjustable	30~120V adjustable
Efficiency	≥96%	≥96%	≥97%
Power Factor	≥0.99	≥0.99	≥0.99
Standby Power Consumption	<5W	<5W	<10W
Protection Level	IP54	IP54	IP54
Operating Temperature	-20℃~+55℃	-20℃~+55℃	-20℃~+55℃
Storage Temperature	-40℃~+70℃	-40℃~+70℃	-40℃~+70℃
Main Unit Size	1200mm×800mm×600mm	1500mm×800mm×600mm	1800mm×800mm×600mm
Main Unit Weight	≤150kg	≤180kg	≤220kg
Number of Terminal Piles	4~6	6~8	8~10
Terminal Pile Output Current	Max 200A / Pile	Max 200A / Pile	Max 200A / Pile
Communication Interface	RS485, Ethernet, LTE-4G, WiFi	RS485, Ethernet, LTE-4G, WiFi	RS485, Ethernet, LTE-4G, WiFi
Protocol	OCPP1.6J、CAN2.0	OCPP1.6J、CAN2.0	OCPP1.6J、CAN2.0

Application Scenarios



Logistics Park

Suitable for electric motorcycles and tricycles in logistics parks, it can simultaneously charge multiple delivery vehicles and light-duty vehicles in the park.

Electric Motorcycle Production Base

Suitable for factory testing and charging needs of electric motorcycle and electric tricycle production bases.

Battery Swapping Station

It can be used as a supporting charging device for battery swapping stations to charge the batteries in the battery swapping cabinet.

Construction Site Park

Suitable for centralized refueling scenarios of engineering vehicles and light vehicles at construction sites and large industrial parks.