广汽能源
GAC ENERGY

HIGH SECURITY RESIDENTIAL

SMART AC CHARGER



SECURITY

No Radiation Hazards

High standards of electromagnetic compatibility design, source noise reduction, full frequency to meet EMI filtering, no electromagnetic radiation hazards to the human body and the outside world

External Interference Immunity

Withstand 0 ~ 400 GHz external interference,ensuring more stable charging and higher adaptability

18 layers of Safety design

Real-time monitoring of operation status, with 18 layers of safety protection including leakage current detection, overcurrent protection, lightning protection, waterproofing, over-temperature protection etc.

Lightning Protection

Ultimate safety design, microsecond level lightning response, effectively resisting lightning strikes. Safeguarding outdoor charging in thunderstorm

Fire Retardant Materials

High flame-retardant material for gun, cables and enclosure

Connector adhesive potting

High-strength nylon gun , fully potting with adhesive, achieving IP65 waterproof rating, effectively preventing water, corrosion, and dust from entering, ensuring safer usage.

广汽能源科技（泰国）有限公司
GAC ENERGY TECHNOLOGY (THAILAND)
Sathorn Square，Bangkok

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Full-time leakage protection
full time detection for leakage current

Long Life Cycle
Silver plated terminal, 10000 + mating cycles, stable charging connection

Emergency Stop Protection
External emergency stop switch, user can quickly and actively cut off the output

PERFORMANCE

Super Heat Dissipation
Industry-leading heat dissipation design ensures stable operation even when temperatures rise to 55°C.

Extreme Environment Adaptability
Stable operation within a wide temperature range of -40°C to 55°C . From freezing temperatures as low as -40°C to scorching heat up to 55°C, it can handle it all effortlessly.

Waterproof and Moisture-proof
Stable operation within a humidity range of 5% to 95%. . Whether it's dry, rainy desert areas or wet, rainy coastal cities, it's easy to cope with both.

WEATHER RESISTANCE & RELIABILITY

Waterproof and Windproof
Automotive standard shell injection moulding process, one-size-fits-all high protection, wind and rain protection, maintenance-free

High-strength Materials
PC + ASA high strength housing, high strength, impact resistance, high temperature, fire retardant

Moisture-proof
5% ~ 95% of the humidity range is stable. Whether it's dry, rainy desert areas or wet, rainy coastal cities, it's easy to cope with. The charging pile interior adopts advanced moisture-proof design to effectively insulate external moisture from internal circuit intrusion

High-end Anti-corrosion Process
The special anti-corrosion materials and precision anti-corrosion technology used in the housing and control board effectively isolate the corrosion of the internal circuit of the charging pile by salt spray

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Impact Resistant Materials

High strength, high toughness materials, vehicle design and manufacturing, seismic and impact resistance

IP55

Protection level IP55, adapted to a variety of harsh environments

Fire Retardant Materials

Flame retardant PC/ASA materials have excellent flame retardant properties and meet UL94 V-0 and other flame retardant standards. It can effectively suppress the spread of flames and reduce the occurrence of fire accidents

CUSTOMER EXPERIENCE

Smart Charging

Smart Control, Charge Appointment, Save Charge Cost

Wide Voltage Range

Wide voltage range, adaptive 110V, 220V supply voltage

Easy Operation

Swipe, Bluetooth, APP startup, charging operation intelligence, simple

Energy Saving

Very low standby power consumption, save energy and save money

Authentication

Swipe to charge and prevent strangers

Load Management

Load Management, Orderly Charging

Remote Control

Remote control, keeping know the charge status, remote OTA upgrade

Wisdom Lamp

"Green: Gun (flashing) charging (gradient)
Ice Blue: Standby
Red: Error"

Easy Operation

Plug and Play, do not need difficult operation

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TECHNICAL SPECIFICATION

MQC4100-7/1-GAC-00000121

Inputs & Outputs

Charge Power	7kW
Rated Voltage	AC 110V or AC 220 V ~ 240V (single-phase)
Rated Current	32A
Frequency	50/60Hz
Charge Connector	Type 2
Cable Width	∮12.8±0.5
Network Types	TN，TT

User Interface & Communications

OCPP	OCPP 1.6J
Communication	WIFI/Ethernet/4G(Optional)
Charger Status Information	LED Indicator/APP
Authentication	RFID
Remote Control & Monitoring	APP

Protection

Residual Current Protection (RCD)	Type A RCD+DC 6mA
Flame Classification	UL94-VO
Overcurrent protection	Yes
Over-temperature Protection	Yes
Surge Protection	Yes

General Specifications

Operating Temperature Range	-40℃~55℃
Application Environment	Indoor/Outdoor
Storage Temperature	-40℃~60℃
Relative Humidity	5% ~ 95% RH Non-condensing
Altitude	≤2000m
Dimensions (H*W*D)	382mm * 194mm * 132mm
Weight	4kg
Installation Mode	Wall-mounted/Column
Ingress Protection	IP55
Impact Protection Level	IK10
Standby Self-Consumption	6.1W

Standards Compliance (More Available Upon Request)

Standard

Others

Accessories	RFID Card * 3	plug holder

Remote monitor & appointment & diagnosis & update Real-time fault monitor, remote diagnosis, OTA upgrade

Easy to install, can be installed anywhere