



Electric Motorcycle Charging Solutions — Global Provider

FULL-SCENARIO COVERAGE ·
DC FAST CHARGING AT THE CORE



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CELERCH E-MOTOR

Charging Product Matrix

Celerch offers two series—AC charging and DC fast charging—with over ten models, comprehensively meeting all e-bike charging scenarios including home charging, destination charging, and public fast charging.

Series	Model	Power	Mounting	Page
DC Fast Charging Series	CH-EBIKE-DC-001-3.2KW	3.2kW	Wall	05/06
	CH-EBIKE-DC-002-6.4KW	6.4kW	Wall	07/08
	CH-EBIKE-DC-003-10KW	10kW	Ground	09/10
	CH-EBIKE-DC-004-20KW	20kW	Ground	11/12
	CH-EBIKE-DC-005-20KW	20kW	Ground	13/14
	CH-EBIKE-DC-006-40KW	40kW	Ground	15/16
	CH-EBIKE-DC-007-6KW	6kW	Wall	17/18
AC Charging Series	CH-EBIKE-AC-02	7kW	Ground	21/22
	CH-EBIKE-AC-04-M1	7kW	Ground	23/24
	CH-EBIKE-AC-04-P1	7kW	Ground/Wall	25/26
	CH-EBIKE-AC-010-P2	7kW	Ground/Wall	27/28
	CH-EBIKE-AC-010-P1	7kW	Ground/Wall	29/30

Applications

01



Delivery & Ride-Hailing — Every Minute Counts

Delivery riders, couriers, and ride-hailing drivers are the core B2B user groups for electric motorcycles. Their main pain point is that time equals income—every extra minute spent charging means one less delivery. Riders typically recharge quickly during peak delivery hours, lunch breaks, or shift changes, with extremely limited time available for each stop.

Delivery station , Courier center , Gas station , Catering chain stores

02



Commercial Scenarios— Charge While You Shop

Shopping malls, supermarkets, restaurants, coffee shops and other commercial establishments are using charging stations as an additional service to attract e-bike owners to their stores for consumption.

Shopping malls/supermarkets/CVS/coffee shops/Hontels/ Cinemas

03



Public Infrastructure — Powering the Long Haul

This is the key infrastructure for electric motorcycles as a means of long-distance transportation. By enabling electric motorcycle users to charge their vehicles as conveniently as refueling their fuel-powered motorcycles, it fundamentally addresses the issue of range anxiety.

Highway service areas, Inter-city transportation hub, Scenic spots

04



Residential & Workplace — Plug In, Forget It

Communities and office parks are the scenarios where e-motor users spend the most time. After parking their vehicles in the designated spaces, charging can be completed silently in the background, without taking up any additional time for the users.

Communities, Apartment, Office buildings, Industrial parks, Schools, Hospitals



HIGH-SPEED DC CHARGING SOLUTIONS

Designed for maximum uptime, our DC fast chargers deliver up to 40 kW of power, significantly reducing charging time for commercial e-moto applications.



CH-EBIKE-DC-001-3.2KW



GENERAL INFORMATION

Maximum Output Power	3.2KW
Rated Input Voltage	AC380V ±10% (L1+L2+L3+N+PE)
Rated Output Voltage	100V DC
Output Voltage Range	30–100V
Input Current	≤16A
Rated Output Current	40A DC
Efficiency	94%
Power Factor	≥0.99
Charging Gun	Single Gun
System Protection	Overload, Overvoltage, Undervoltage, Overcurrent, Short circuit, Over temperature, Ground fault, Anti-shock, Full charge cut-off, Dynamic response, Input phase loss/inversion protection

GENERAL INFORMATION

Voltage Accuracy	±0.5%
Current Accuracy	±1%
Energy Accuracy	≤1%
Load Regulation Rate	±5%
Connector Type	TYPE 6 / REMA
Mean Time Between Failures (MTBF)	120000h

USER INTERFACE

Display	4.3’’ touch screen(optional)
Language	English
Button and Switch	Emergency Button
User Authentication	APP/Rfid Card

COMMUNICATION

Connectivity	4G/WiFi
Communication Protocols	OCPP1.6J
Remote Management	OTA/USB

ENVIRONMENTAL

Operating Temperature	-30°C ~ +75°C
Relative Humidity	≤ 93%
Altitude	≤ 2000 m

MECHANICAL

Dimension	530×360×160mm
Weight	20KG
Enclosure Rating	IP54
Charging Cable Length	3.5m
Installation	Wall mounting
Colling Method	Forced Air
Certification	IEC 62196 / IEC 61851



CH-EBIKE-DC-002-6.4KW



GENERAL INFORMATION	
Maximum Output Power	6.4KW
Rated Input Voltage	AC380V ±10% (L1+L2+L3+N+PE)
Rated Output Voltage	100V DC
Output Voltage Range	30–100V
Input Current	32A
Rated Output Current	40A×2
Efficiency	95%
Power Factor	≥0.99
Charging Gun	Dual Gun
System Protection	Overload, Overvoltage, Undervoltage, Overcurrent, Short circuit, Over temperature, Ground fault, Anti-shock, Full charge cut-off, Dynamic response, Input phase loss/inversion protection

GENERAL INFORMATION	
Voltage Accuracy	±0.5%
Current Accuracy	±1%
Energy Accuracy	≤1%
Load Regulation Rate	±5%
Connector Type	TYPE 6 / REMA
Mean Time Between Failures (MTBF)	120000h
USER INTERFACE	
Display	4.3’’ touch screen(optional)
Language	English
Button and Switch	Emergency Button
User Authentication	APP/Rfid Card
COMMUNICATION	
Connectivity	4G/WiFi
Communication Protocols	OCPP1.6J
Remote Management	OTA/USB
ENVIRONMENTAL	
Operating Temperature	-30°C ~ +75°C
Relative Humidity	≤ 93%
Altitude	≤ 2000 m
MECHANICAL	
Dimension	530×360×160mm
Weight	25KG
Enclosure Rating	IP54
Charging Cable Length	3.5m
Installation	Wall mounting
Colling Method	Forced Air
Certification	IEC 62196 / IEC 61851



CH-EBIKE-DC-003-10KW



GENERAL INFORMATION

Maximum Output Power	10KW
Rated Input Voltage	AC380V ±10% (L1+L2+L3+N+PE)
Rated Output Voltage	100V DC
Output Voltage Range	30-100V
Input Current	20A
Rated Output Current	100A
Efficiency	94%
Power Factor	≥0.99
Charging Gun	Single Gun
System Protection	Overload, Overvoltage, Undervoltage, Overcurrent, Short circuit, Over temperature, Ground fault, Anti-shock, Full charge cut-off, Dynamic response, Input phase loss/inversion protection

GENERAL INFORMATION

Voltage Accuracy	±0.5%
Current Accuracy	±1%
Energy Accuracy	≤1%
Load Regulation Rate	±5%
Connector Type	TYPE 6 / REMA
Mean Time Between Failures (MTBF)	120000h

USER INTERFACE

Display	4.3'' touch screen(optional)
Language	English
Button and Switch	Emergency Button
User Authentication	APP/RFID Card

COMMUNICATION

Connectivity	4G/WiFi
Communication Protocols	OCPP1.6J
Remote Management	OTA/USB

ENVIRONMENTAL

Operating Temperature	-30°C ~ +75°C
Relative Humidity	≤ 93%
Altitude	≤ 2000 m

MECHANICAL

Dimension	150×370×1400mm
Weight	45KG
Enclosure Rating	IP54
Charging Cable Length	3.5m
Installation	Ground Mounting
Colling Method	Forced Air
Certification	IEC 62196 / IE 61851



CH-EBIKE-DC-004-20KW



GENERAL INFORMATION

Maximum Output Power	20KW
Rated Input Voltage	AC380V ±10% (L1+L2+L3+N+PE)
Rated Output Voltage	100V DC
Output Voltage Range	30-100V
Input Current	32A
Rated Output Current	100A×2
Efficiency	95%
Power Factor	≥0.99
Charging Gun	Dual Gun
System Protection	Overload, Overvoltage, Undervoltage, Overcurrent, Short circuit, Over temperature, Ground fault, Anti-shock, Full charge cut-off, Dynamic response, Input phase loss/inversion protection

GENERAL INFORMATION

Voltage Accuracy	±0.5%
Current Accuracy	±1%
Energy Accuracy	≤1%
Load Regulation Rate	±5%
Connector Type	TYPE 6 / REMA
Mean Time Between Failures (MTBF)	120000h

USER INTERFACE

Display	4.3" touch screen(optional)
Language	English
Button and Switch	Emergency Button
User Authentication	APP/Rfid Card

COMMUNICATION

Connectivity	4G/WiFi
Communication Protocols	OCPP1.6J
Remote Management	OTA/USB

ENVIRONMENTAL

Operating Temperature	-30°C ~ +75°C
Relative Humidity	≤ 93%
Altitude	≤ 2000 m

MECHANICAL

Dimension	150×370×1400mm
Weight	55kg
Enclosure Rating	IP54
Charging Cable Length	3.5m
Installation	Ground Mounting
Colling Method	Forced Air
Certification	IEC 62196 / IE 61851



CH-EBIKE-DC-005-20KW



GENERAL INFORMATION

Maximum Output Power	20KW
Rated Input Voltage	AC380V ±10% (L1+L2+L3+N+PE)
Rated Output Voltage	100V DC
Output Voltage Range	30-100V
Input Current	≤30A
Rated Output Current	200A
Efficiency	95%
Power Factor	≥0.99
Charging Gun	Single Gun
System Protection	Overload, Overvoltage, Undervoltage, Overcurrent, Short circuit, Over temperature, Ground fault, Anti-shock, Full charge cut-off, Dynamic response, Input phase loss/inversion protection

GENERAL INFORMATION

Voltage Accuracy	±0.5%
Current Accuracy	±1%
Energy Accuracy	≤1%
Load Regulation Rate	±5%
Connector Type	TYPE 6 / REMA
Mean Time Between Failures (MTBF)	120000h

USER INTERFACE

Display	4.3" touch screen(optional)
Language	English
Button and Switch	Emergency Button
User Authentication	APP/Rfid Card

COMMUNICATION

Connectivity	4G/WiFi
Communication Protocols	OCPP1.6J
Remote Management	OTA/USB

ENVIRONMENTAL

Operating Temperature	-30°C ~ +75°C
Relative Humidity	≤ 93%
Altitude	≤ 2000 m

MECHANICAL

Dimension	150×370×1400mm
Weight	55KG
Enclosure Rating	IP54
Charging Cable Length	3.5m
Installation	Ground Mounting
Colling Method	Forced Air
Certification	IEC 62196 / IE 61851



CH-EBIKE-DC-006-40KW



GENERAL INFORMATION

Maximum Output Power	40KW
Rated Input Voltage	AC380V ±10% (L1+L2+L3+N+PE)
Rated Output Voltage	100V DC
Output Voltage Range	30-100V
Input Current	60A
Rated Output Current	200A×2
Efficiency	95%
Power Factor	≥0.99
Charging Gun	Dual Gun
System Protection	Overload, Overvoltage, Undervoltage, Overcurrent, Short circuit, Over temperature, Ground fault, Anti-shock, Full charge cut-off, Dynamic response, Input phase loss/inversion protection

GENERAL INFORMATION

Voltage Accuracy	±0.5%
Current Accuracy	±1%
Energy Accuracy	≤1%
Load Regulation Rate	±5%
Connector Type	TYPE 6 / REMA
Mean Time Between Failures (MTBF)	120000h

USER INTERFACE

Display	10.1'' touch screen(optional)
Language	English
Button and Switch	Emergency Button
User Authentication	APP/Rfid Card

COMMUNICATION

Connectivity	4G/WiFi
Communication Protocols	OCPP1.6J
Remote Management	OTA/USB

ENVIRONMENTAL

Operating Temperature	-30°C ~ +75°C
Relative Humidity	≤ 93%
Altitude	≤ 2000 m

MECHANICAL

Dimension	390×1440×200mm
Weight	80KG
Enclosure Rating	IP54
Charging Cable Length	3.5m
Installation	Ground Mounting
Colling Method	Forced Air
Certification	IEC 62196 / IE 61851



CH-EBIKE-DC-007-6KW



GENERAL INFORMATION	
Maximum Output Power	6KW
Rated Input Voltage	AC220V ±10% (L+N+PE)
Rated Output Voltage	120V DC
Output Voltage Range	30-120V DC
Input Current	30A
Rated Output Current	100A DC
Efficiency	94%
Power Factor	≥0.99
Charging Gun	Single Gun
System Protection	Overload, Overvoltage, Undervoltage, Overcurrent, Short circuit, Over temperature, Ground fault, Anti-shock, Full charge cut-off, Dynamic response, Input phase loss/inversion protection

GENERAL INFORMATION	
Voltage Accuracy	±0.5%
Current Accuracy	±1%
Energy Accuracy	≤1%
Load Regulation Rate	±5%
Connector Type	TYPE 6 / REMA
Mean Time Between Failures (MTBF)	120000h
USER INTERFACE	
Display	4.3' ' touch screen(optional)
Language	English
Button and Switch	Emergency Button
User Authentication	APP/RFID Card
COMMUNICATION	
Connectivity	4G/WiFi
Communication Protocols	OCPP1.6J
Remote Management	OTA/USB
ENVIRONMENTAL	
Operating Temperature	-30°C ~ +75°C
Relative Humidity	≤ 93%
Altitude	≤ 2000 m
MECHANICAL	
Dimension	530×360×160mm
Weight	25KG
Enclosure Rating	IP54
Charging Cable Length	3.5m
Installation	Ground Mounting
Colling Method	Forced Air
Certification	IEC 62196 / IEC 61851



ERSATILE MULTI-PORT AC CHARGING

Ideal for public spaces and fleet depots, our AC series offers flexible configurations (2 to 10 ports) with consistent power delivery per port, enabling efficient simultaneous charging.



CH-EBIKE-AC-02



CH-EBIKE-AC-02

GENERAL INFORMATION	
Maximum Output Power	7000w
Maximum Output Power Per Single Connector	3800w
Maximum Input Voltage	AC 220v±20%
Output Current	16A
System Protection	Overload,Overvoltage,Undervoltage,Overcurrent, Short circuit, Over temperature, Ground fault,Anti-shock, Full charge cut-off
User Authentication	APP / RFID Card
NETWORK SPECIFICATION	
Connectivity	4G/WiFi
Communication Protocols	OCPP1.6J
Remote Management	OTA/USB
SIM Card	ESIM
OPERATIONAL SPECIFICATION	
Dimension	140 × 110 × 814 mm
Weight	7.5 KG
Charging Port	2 Ports
Installation	Pole mounting
Enclosure Rating	IP54
NETWORK SPECIFICATION	
Operating Temperature	-30°C ~ +75°C
Relative Humidity	5% ~ 95%, no frost, no condensation
Altitude	≤ 2000 meter



CH-EBIKE-AC-04-M1



CH-EBIKE-AC-04-M1

GENERAL INFORMATION	
Maximum Output Power	7000w
Maximum Output Power Of Single Plug	3800w
Maximum Input Voltage	AC 220v±20%
Output Current	16A
System Protections	Overload,Overvoltage,Undervoltage,Overcurrent, Short circuit, Over temperature, Ground fault,Anti-shock, Full charge cut-off
User Authentication	APP / RFID Card
NETWORK SPECIFICATION	
Connectivity	4G/WiFi
Communication Protocols	OCPP1.6J
Remote Management	OTA/USB
SIM Card	ESIM
OPERATIONAL SPECIFICATION	
Dimension	200×820×150mm
Weight	8.5KG
Charging Port	4 Ports
Installation	Pole mounting
Enclosure Rating	IP54
ENVIRONMENTAL	
Operating Temperature	-30℃ ~ +75℃
Relative Humidity	5% ~ 95%, no frost, no condensation
Altitude	≤ 2000 meter



CH-EBIKE-AC-04-P1



CH-EBIKE-AC-04-P1

GENERAL INFORMATION	
Maximum Output Power	7000w
Maximum Output Power Of Single Plug	2500w
Maximum Input Voltage	AC 220v±20%
Output Current	11A
System Protection	Overload,Overvoltage,Undervoltage,Overcurrent, Short circuit, Over temperature, Ground fault,Anti-shock, Full charge cut-off
User Authentication	APP / RFID Card
NETWORK SPECIFICATION	
Connectivity	4G/WiFi
Communication Protocols	OCPP1.6J
Remote Management	OTA/USB
SIM Card	ESIM
OPERATIONAL SPECIFICATION	
Dimension	300×230×65 mm
Weight	3kg
Charging Port	4 Ports
Installation	Wall mounting
Enclosure Rating	IP54
ENVIRONMENTAL	
Operating Temperature	-30°C ~ +75°C
Relative Humidity	5% ~ 95%, no frost, no condensation
Altitude	≤ 2000 meter



CH-EBIKE-AC-010-P2



CH-EBIKE-AC-010-P2

GENERAL INFORMATION	
Maximum Output Power	7000w
Maximum Output Power Of Single Plug	2500w
Maximum Input Voltage	AC 220v±20%
Output Current	11A
System Protections	Overload,Overvoltage,Undervoltage,Overcurrent, Short circuit, Over temperature, Ground fault,Anti-shock, Full charge cut-off
User Authentication	APP / RFID Card
NETWORK SPECIFICATION	
Connectivity	4G/WiFi
Communication Protocols	OCPP1.6J
Remote Management	OTA/USB
SIM Card	ESIM
OPERATIONAL SPECIFICATION	
Dimension	330×260×70mm
Weight	3KG
Charging Port	10 Ports
Installation	Wall mounting
Enclosure Rating	IP54
ENVIRONMENTAL	
Operating Temperature	-30℃ ~ +75℃
Relative Humidity	5% ~ 95%, no frost, no condensation
Altitude	≤ 2000 meter

CH-EBIKE-AC-010-P1



CH-EBIKE-AC-010-P1

GENERAL INFORMATION	
Maximum Output Power	7000w
Maximum Output Power Of Single Plug	2500w
Maximum Input Voltage	AC 220v±20%
Output Current	11A
System Protections	Overload,Overvoltage,Undervoltage,Overcurrent, Short circuit, Over temperature, Ground fault,Anti-shock, Full charge cut-off
User Authentication	APP / RFID Card
NETWORK SPECIFICATION	
Connectivity	4G/WiFi
Communication Protocols	OCPP1.6J
Remote Management	OTA/USB
SIM Card	ESIM
OPERATIONAL SPECIFICATION	
Dimension	3200×2100×700mm
Weight	3kg
Charging Port	10 Ports
Installation	Wall mounting
Enclosure Rating	IP54
ENVIRONMENTAL	
Operating Temperature	-30℃ ~ +75℃
Relative Humidity	5% ~ 95%, no frost, no condensation
Altitude	≤ 2000 meter