

# CITA Smart 120 DC



## Super-Fast Commercial Charging Solution

CITA Smart 120 DC is a fast, efficient and reliable charger meeting the highest standards for new electric vehicle charging. Its modular design allows you to charge up to three electric vehicles simultaneously up to 120kW output. It comes with dual or triple charging connectors, including one AC connector: Type 2, up to 43kW, and Two DC connectors: CCS1/CCS2 and CHAdeMO up to 120kW. (Connector requirements need to be specified upon placing the order)

It connects intelligently with Ethernet/4G/Wi-Fi. It can be operated with a commercial mobile application supporting Apple Pay, Google Pay and other leading Credit Card payment methods. You can also command it with RFID authentication. It also comes with a MID certified AC meter and PTB certified DC meter. CITA Smart 120 DC comes with two years warranty.



**Efficient Charging  
with Load Balancing**



**Up to 120kW DC & 43kW AC**



**Up to Two DC CCS2/CHAdeMO  
& One AC Type 2 connector  
for simultaneously charging**



**CITA Smart EV App Operation  
via WiFi/4G/Ethernet**



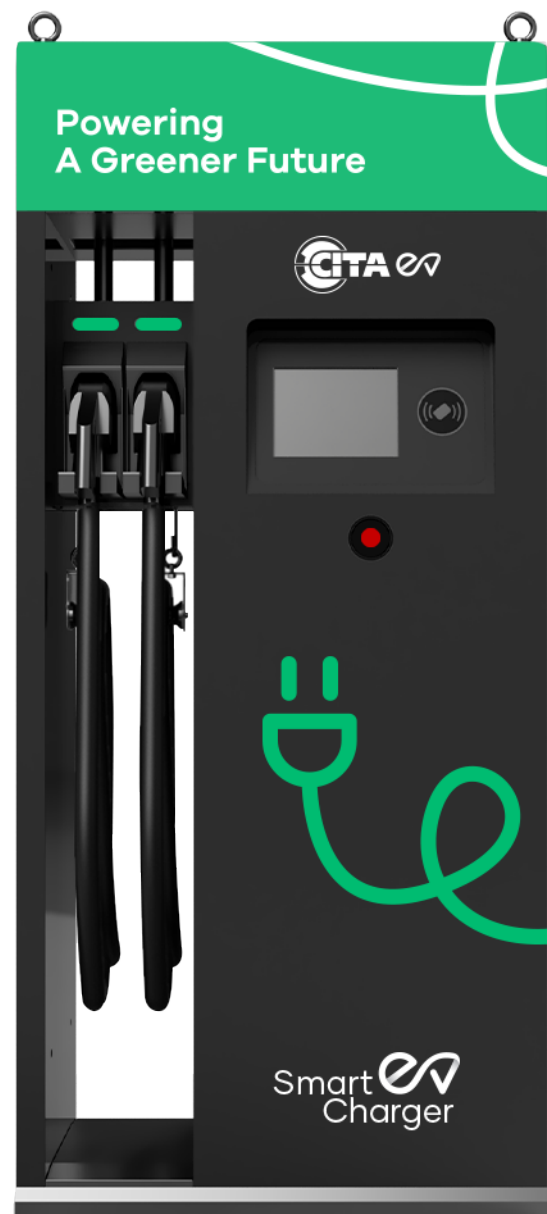
**Backlight Advertising Space**



**RFID Card and Mobile Payments**



**2-year warranty**



# Electrical Specifications



## AC Nominal Input

Phases/Lines	3 phase + natural+ PE
Rated Voltage	400V±10% AC
Rated Current	300A
PF	>0.99
Frequency	50/60Hz

## AC Nominal Output

Output Voltage	150~1000V DC
Maximum Current	250A Max
Rated Power	120kW

# General Specifications

## Structure Design

Charge Connector	DC 1 x CCS2 and 1 x CHAdeMO (alternatively 2 x CCS2) Optional: AC Type 2 socket
Cable Length	5M
Enclosure	Galvanized steel
LED Indicator	Green/Yellow/Red
LCD Display	10" color touch screen
RFID Reader	Mifare ISO/IEC 14443 A
Start Mode	Plug&Play/RFID card/Mobile App
Emergency Stop	Yes
Advertising Display	Optional

## Environmental Index

Operating Temperature	-30°C - +55°C
Working Humidity	5%~95% without condensation
Working Altitude	<2000M
Protection Grade	IP54, IK10
Installation	Floor-stand
Cooling Method	Fan cooling
Noise	≤55dB

## Package Information

Product Dimension	900*525*2000mm (W*D*H)
Package Dimension	1200*745*2200mm (L*W*H)
Net Weight	240kg
Gross Weight	280kg

## Electrical Parameter

Efficiency	≥95%
Power Factor	≥0.99 @ 50%~100% loading
THD	≤5% @ 50%~100% loading
Ripple Factor	≤±0.5%

## Security Protection

Energy Meter	PTB certified
RCD	Type A
Ingress Protection	IP54, Optional upgrade to IP65
Impact Protection	IK10
Electrical Protection	Over current protection, Residual current protection, Short circuit protection, Ground protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over/Under temperature protection
Certification	CE
Certification Standard	EN61851, EN62196, DIN70121, ISO15118
Warranty	2 years

## Communication

Network Gateway	Ethernet/WIFI/4G communication
Communication Protocol	OCPP 1.6 JSON (OCPP 2.0 optional)

## CITA Smart EV Charger Management System

CITA charger management system software lets you track, manage and optimize CITA Smart commercial chargers from wherever and whenever you please.

- Easy & Smart Management
- Analytics of your Business Growth
- Simple Invoicing System
- Scale your charging network easily
- Distribute available power with Dynamic Load Balancing and much more



**United Kingdom (HQ)**

52 Deerdykes View, Westfield Park, Cumbernauld,  
Glasgow, G68 9HN, United Kingdom  
Phone: 0800 147 CITA(2482)

**United Arab Emirates**

Unit 2106, Al Thanyah Fifth, HDS Tower, Cluster F,  
Jumeirah Lakes Towers, P.O. Box 191946, Dubai, UAE  
Phone: +971 4 5579828 Fax: +971 4 5579829

Disclaimer: Information has been carefully checked and is believed to be accurate; however, no responsibility is assumed for inaccuracies. The status of the product(s) described in the data sheet may have changed since the date of publication and therefore that may be outdated without further notifications. For any further inquiries please contact our nearest sales office via e-mail to [info@citaevcharger.co.uk](mailto:info@citaevcharger.co.uk) or through phone.