

# 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 two electric vehicles simultaneously up to 120kW output. It comes with dual or triple charging connectors, including two AC connector: Type 2, up to 22kW, 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 SIM. 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 &  
2 x 22kW AC (optional)**



**Up to Two DC Guns CCS2/CHAdeM  
/GB/T & Two AC Type 2 Socket (optional)  
for simultaneously charging**



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



**42" Commercial Advertising  
Display with RMS**



**RFID Card and POS Payments**



**2 year warranty**



# Electrical Specifications



## AC Nominal Input

|               |                       |
|---------------|-----------------------|
| Phases/Lines  | 3 phase + natural+ PE |
| Rated Voltage | 400V±%10 AC           |
| Rated Current | 150A                  |
| PF            | >0.99                 |
| Frequency     | 60/50Hz               |

## DC Nominal Output

|                 |              |
|-----------------|--------------|
| Output Voltage  | 1000~400V DC |
| Maximum Current | 200A Max     |
| Rated Power     | 60kW         |

# General Specifications

## Structure Design

|                     |  |
|---------------------|--|
| Charge Connector    | DC 1 x CCS2 and 1 x CHAdeMO (alternatively 2 x CCS2)<br>Optional: 2 X 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 | 42 inch Commercial Advertising Display (Optional)                                      |

## Environmental Index

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

## Package Information

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

## Electrical Parameter

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

## Security Protection

|                        |  |
|------------------------|--|
| Energy Meter           | PTB certified  |
| RCD                    | Type A   |
| Ingress Protection     | IP54   |
| 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          | UKCA, CE   |
| Certification Standard | EN61851, EN62196, DIN70121, ISO15118   |
| Warranty               | 2 years  |

## Communication

|                        |                                   |
|------------------------|-----------------------------------|
| Network Gateway        | Ethernet/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





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