

CITA Smart 22 ECO



22kW AC Compact EV Charging Station
with IP65 Ratings



www.citaevcharger.co.uk

CITA Smart 22 Eco

The CITA Smart 22 Eco charger offers a high-performance, compact solution for both home and workplace EV charging needs. Delivering up to 22kW of power on three-phase installations, it comes equipped with an integrated Type 2 socket with secure locking. Its sleek, compact housing is engineered to operate reliably in extreme temperatures ranging from -30 °C to +55 °C. Built for durability and adaptability, the Smart 22 Eco effortlessly connects to cloud platforms or mobile applications via Wi-Fi, Ethernet, or optional 4G, supporting OCPP 1.6 and 2.0 for seamless integration with all major CSMS systems and app providers. With a 3-year manufacturer's warranty, it guarantees consistent performance and long-lasting reliability.



Tamper
Notification



Power Range
up to 22kW



WiFi/Ethernet
4G (Optional)



Protection
IP65 & IK10



Compact
Design



RCD
Protection



RFID
Access



3 years
Warranty

Electrical Specifications

AC Nominal Input

| | |
|--------------|-----------------------|
| Phases/Lines | 3 phase + neutral+ PE |
| Voltage | 400V±10% |
| Frequency | 50/60Hz |

AC Nominal Output

| | |
|----------------|------------------------|
| Phases/Lines | 3 phase + neutral + PE |
| Voltage | 400VAC +/-10% |
| Output Power | 22kW programmable |
| Output Current | 6 - 32A programmable |



General Specifications

Hardware Configuration

| | |
|-----------------------|--|
| Charging Interface | IEC 62196 Type 2 charging socket with locking |
| Charging Mode | Mode 3 (IEC 61851-1 / SAE J1772- compliant communication protocol) |
| Housing Material | High impact plastic |
| LED Status Indication | Blue/ Green/ Amber/ Red |
| RFID Card/Tag | Yes |
| RFID Card/Tag Qty. | 5 supplied |
| 6mA DC & 30mA AC Trip | Integrated |
| Tamper Notification | Integrated |

Environmental Index

| | |
|------------------------|---|
| Operating Temperature | -30°C ~ +55°C |
| Working Humidity | 5%~95% without condensation |
| Working Altitude | <2000m |
| Protection | IP65, IK10 |
| Mounting Method | Wall or Pole mount |
| Solar PV Compatibility | Hardware integration with EMS using Modbus RS-485 |

Package Information

| | |
|-------------------|-------------------|
| Product Dimension | 280mmX290mmX130mm |
| Package Dimension | 392mmX362mmX285mm |
| Net Weight | 4.55kg |
| Gross Weight | 5.7kg |

Protection

| | |
|--------------------------|--|
| Multiple Protection | Over/under-voltage protection, overload protection, short-circuit protection, current leakage protection, grounding protection, surge protection, and over/under-temperature protection. |
| Safety Standard | EMC Directive 2014/30/EU, IEC 61851-1, IEC 61851-22, IEC 62196-2 |
| Dynamic Load Balancing | Yes, via CT Clamp |
| Earthing Arrangements | TT, TNS, TNCS (PME) |
| Earth Leakage Protection | Dedicated 30mA Type A RCD and 40A MCB must be used on the supply circuit. |
| Warranty | 3 Years (extendable) |

Communication

Communication Protocol

OCPP 1.6

Communication Method

Wi-Fi / Ethernet / 4G (optional upgrade)

Programmable Charging Time

Programmable via Apps

Programmable Charging Power

On hardware and configuration interface

Mobile App Availability

Android and iOS App



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Disclaimer: Information has been carefully checked and is believed to be accurate; however, no responsibility is assumed for any inaccuracies. As part of our ongoing product development, specifications, colours, and details of our products, including those mentioned in this manual, are subject to change without prior notice.

For further inquiries, please contact us at supportuk@citaevcharger.co.uk or call +44 800 368 6362.