

CITA Smart 7 ECO



7kW AC Compact EV Charging Station
with IP65 Ratings



www.citaevcharger.co.uk

CITA Smart 7 Eco

The CITA Smart 7 Eco is a compact, high-performance EV charger designed for homes and workplaces. It delivers up to 7 kW power output for single-phase installations and includes an integrated Type 2 socket with locking. Its robust housing is built to perform reliably in extreme temperatures from $-30\text{ }^{\circ}\text{C}$ to $+55\text{ }^{\circ}\text{C}$.

Engineered for durability and flexibility, the Smart 7 Eco connects seamlessly to cloud platforms or mobile apps via Wi-Fi, Ethernet, or 4G (optional upgrade). It supports OCPP 1.6 / 2.0, ensuring full compatibility with all major CSMS platforms and mobile apps. Backed by a 3-year manufacturer's warranty, the Smart 7 Eco delivers long-term reliability and peace of mind.



Tamper
Notification



Power Range
up to 7kW



WiFi/Ethernet
4G (Optional)



Protection
IP65 & IK10



Compact
Design



RCD
Protection



RFID
Access



3 years
Warranty

Electrical Specifications

AC Nominal Input

Phases/Lines	Single phase + neutral+ PE
Voltage	230V \pm 10%
Frequency	50/60Hz

AC Nominal Output

Phases/Lines	Single phase + neutral + PE
Voltage	230VAC \pm 10%
Output Power	7kW 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.