Intelligent EV Charger 7kW AC
ICSW7C

iCS
intelligent charging systems

The ICSW7C is suitable for Commercial charging.

Designed with the installer in mind, installation time is extremely quick, on average only 30 minutes.

7.2kW fast AC charging.

Up to 30 miles charging range per hour.

Single phase 230VAC.

No earth rod required (on TN-C-S PME system).

3G/4G sim, ethernet and WiFi ready.

Integral Type A RCD with 6mA RDC-DD.

RFID authentication.

2.8" LCD display.
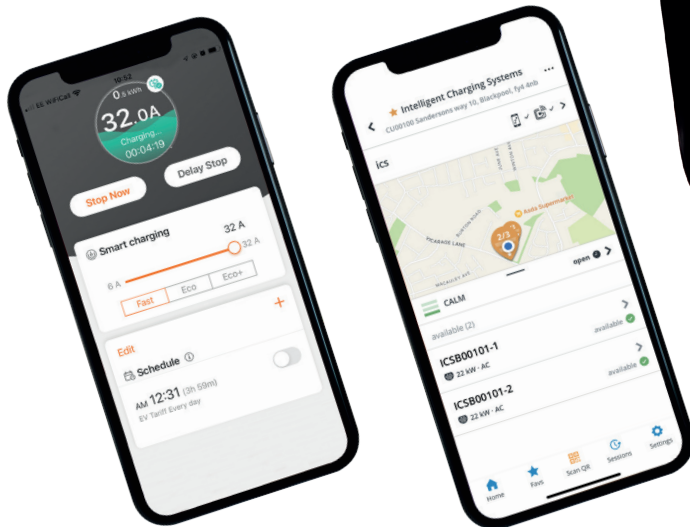
True OCPP 1.6J protocols.

Automatic minor fault recovery with configurable manual reset for RCD & Earth fault.

All in one solution.

iCS2.0 smart charging software compatible.

iCS2.0Lite included for smart phone configuration and app control.

Supplied with 2x RFID Cards**

| Commercial | Home | No Earth Rod | Smartphone App | 7KW | iCS2.0 | Warranty 3 years |

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Office for Zero Emission Vehicles

OZEV APPROVED

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	Specification
Power Input	
Input Rating	230VAC + 20%, 32A
Frequency	50/60Hz
Standby Power	<5w
Power Output	
Output Rating	Single phase 7.2kw, 32A
Protection	
Over Current protection	Power output is terminated upon detection of overcurrent 10%
Internal Residual Current Detection	Integral Type A RCD with 6mA RDC-DD
Output Protection	Power output is terminated upon detection of charging connector plug-out
Electrical Protection	Over current, short circuit, over voltage, under voltage, ground fault, lightning surge, over temperature protection
Energy Meter	Meter IC
Current Detection	
PME	PME earth fault monitoring compliant with BS7671 regulation 722.411.4.1
Function & User Interface	
Display	2.8" LCD display
Status Indicators	User Customizable
User Authentication	RFID reader (ISO/IEC 15693 and 14443A/B)
Buttons/Switches	Configurable physical button
Network Interface	Ethernet, 2.4G WiFi, 4G smart internet connection, hot spot mode
Charging protocol	Mode 3
Environment	
Operating temperature	-30°C to 50°C
Humidity	5% - 95% without condensation
Ingress Protection	IP55

** RFID cards compatible for Offline & iCS2.0Lite use only, for subscription use, RFID cards to be purchased from iCS.

	Specification
Mechanical	
Charging Interface	Type 2 socket (IEC 62196)
Mounting Type	Wall or Post (Post supplied separately)
Dimension (W x H x D)	269 x 360 x 146 mm
Net Weight	4.5kg
Regulation & Certification	
Certificate	CE, IEC61851-1
OCPP	Full OCPP 1.6J support
Accessories	
RFID Card	ICS2.0UC
Floor Mount Post	ICSFP1, ICSFP2
EV Signage	ICSEVS1, ICSEVS2, ICSEVS2
EV Charging Cables	ICSL5 and ICSL10 (5m + 10m)

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Email: info@intelligentchargingsystems.co.uk

www.intelligentchargingsystems.co.uk

iCS_ICSW7C_Data_Sheet_Rev02
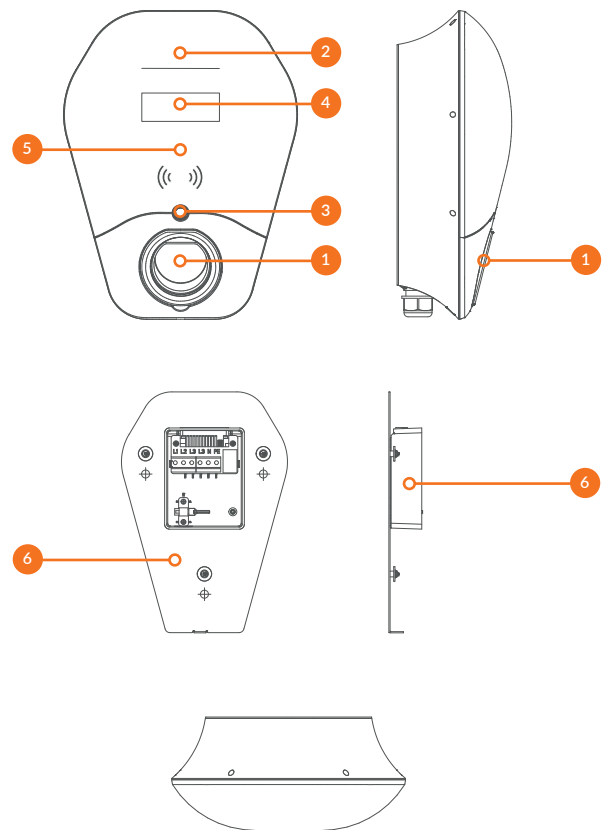
No	Item
1	Charging Socket
2	LCD Display Screen
3	Configurable Button
4	LED Indication
5	RFID Reader
6	First Fix Back Plate