Intelligent EV Charger 22kW AC
ICSW22B

iCS
intelligent charging systems

22kW Fast AC Charging.

Up to 90 miles charging range per hour.

Three Phase 400VAC.

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

3G/4G sim, Ethernet & WiFi ready.

Built in current detection 30mA AC & 6mA DC.

RFID Authentication.

7" LCD Display.

Full OCPP 1.6J profiles.

Automatic minor fault recovery.

All in one solution.

Pay for use charging compatible (with iCS2.0 smart charging software subscription).

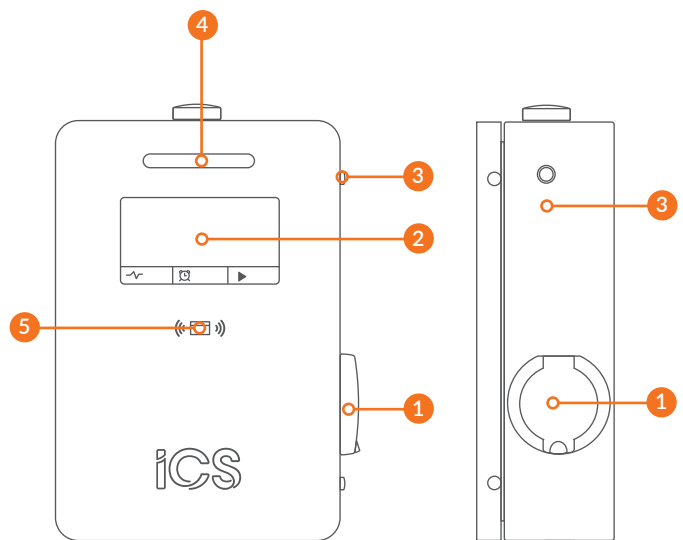| Commercial	Destination	No Earth Rod	22kw	Software Compatible	Warranty 3 Years

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	Specification
Power Input	
Input Rating	400VAC + - 20%, 32A.
Frequency	50/60Hz
Standby Power	<5w
Power Output	
Output Rating	Three phase 22KW, 32A
Protection	
Over Current protection	Power output is terminated upon detection of overcurrent 10%
Internal Residual Current Detection	30mA AC & 6mA DC Type B RCCB
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	MID & CE Certified meter
Current Detection	
PME	PME earth fault monitoring compliant with BS7671 regulation 722.411.4.1 method (iii)
Function & User Interface	
Display	7" LCD display
Status Indicators	LED Indication, Standby (slow flashing green), charging (fast flashing green), fault (slow flashing red), warning (fast flashing red)
User Authentication	RFID reader (ISO/IEC 156963 and 14443
Buttons/Switches	Configurable physical button
Network Interface	Ethernet, 2.4G WiFi, 4G smart internet connection, hot spot mode
Charging protocol	Mode 3

	Specification
Environment	
Operating temperature	-22°F to +122°F (-30°C to +50°C)
Humidity	95% relative humidity, non-condensing
Ingress Protection	IP54
Mechanical	
Charging Interface	Type 2 socket
Mounting Type	Wall or post (post supplied separately)
Dimension (W x H x D)	400mm(h) x 270mm(w) x 130mm(d)
Net Weight	12.5Kg
Regulation & Certification	
Certificate	CE
OCPP	Full OCPP 1.6J support
Accessories	
RFID Card	ICS2.0UC
Floor Mount Post	ICSFP2
EV Signage	ICSEVS1, ICSEVS2, ICSEVS3
EV Charging Cables	ICSL5T 22kw 5m type 2 to type 2

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www.intelligentchargingsystems.co.uk

iCS_ICSW22B_Data_Sheet_Rev03

No	Item
1	Charging Socket
2	LCD Display Screen
3	Reset Button
4	LED Indication
5	RFID Reader