

Details			
Project:	Station Hill, Reading Phase 1	TS Number:	ARK-TS-092 rev C
		Contract number:	21A00063
Sender:	ARK	Date sent:	06.09.22
Contact for further information if required:	Name:	Chris Roberts	
	Phone:		
	Email:	Chris.Roberts@arkme.co.uk	
Subcontractor:	Ark M&E		
Specified product:	Schneider EV Link		
Proposed product:	ICS intelligent EV charger 7Kw		
Product Specification/Technical Data:	Attached		
Manufacturer:	ICS		
Supplier:	CEF		
Batch number/other Identification:	N/A		
Planned date for inclusion to the works:	January 23		
Part of works element:	Car park installation		
Contract specification:	VOLUME 3 PARTICULAR SPECIFICATION CLAUSES – REV. C04		
Drawing Reference:	N/A		
Deviation from current Specification:	Yes		
Attachments			
Test Certs:			
Technical Literature:	This technical submission is to cover the use of ICS EV charger Data sheet attached • We are proposing the wall mounted version without a tethered cable • 7.2kW fast AC charging • Up to 30 miles charging range per hour • 32A Single phase 230V AC • No earth rod required [on TN-C-S PME system] • 3G/4G sim, Ethernet and Wi-Fi ready • Built in current detection 30mA AC and 6mA DC • RFID authentication • 2.8" LCD display • Full OCPP 1.6J profiles including smart charging • Automatic minor fault recovery with configurable manual reset for RCD and Earth fault • Independent back plate design for easy first fix • iCS2.0 smart charging software compatible – <i>Note: this is an additional cost direct with Intelligent charging services - £6 per charging point /per month</i> • iCS2.0Lite included for smart phone configuration and app control. • Can be rented out to external users for added revenue • Specification compliant • See video link below https://www.intelligentchargingsystems.co.uk/ics2.0		
Samples:	On request		

Subcontract Comments			
Midgard Comments			
Designer Comments			
Client Comments			
Client Monitoring Team (CMT) Approval Status			
Approval Status: A ☐ Submission reviewed and accepted B ☐ Submission reviewed and accepted subject to incorporation of comments C ☐ Submission reviewed and rejected N ☐ Submission reviewed and no longer relevant or required Comments: (enter 'no comment' if applicable) Click here to enter text.			
Approval			
Designer			
Name:		Company:	
Signature:		Date:	
Client			
Name:		Company:	
Signature:		Date:	

Reply Reply All Forward IM



Tue 06/09/2022 18:47

Paul Brock <paul.brock@adivision.co.uk>

proximity card testing for iCS EV Chargers

To Chris Roberts; c.hughes@nspsecurity.com

Action Items

+ Get more ap

--This message originated from outside of the organisation. Please be cautious opening links and replying with personal details.--

Gentlemen

Just a brief note to say that the proximity cards supplied by NSP Security passed our compatibility testing and that they can be used on the ICSW7C and ICSW7CPT EV charging equipment once they have been paired/onboarded to the EV Charge point in use.

Thank you both for your assistance in this matter.

Kind regards.

Paul Brock

Regional Sales Manager

Challenger, Firesafe, Engex and Intelligent Charging Systems

A Division Blackpool Group

10 Sandersons Way, Marton, Blackpool, Lancashire, FY4 4NB, United Kingdom

T 01253 798 279 M 07921 495 535 E paul.brock@adivision.co.uk



Intelligent EV Charger 7kW AC ICSW7C



The ICSW7C is suitable for workplace, destination and home 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.

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

RFID authentication.

2.8" LCD display.

True OCPP 1.6J protocols.

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

Independent back plate design for easy first fix.

All in one solution.

iCS2.0 smart charging software compatible.

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



Workplace



Destination



Home



No Earth Rod



Smartphone
App



7KW



iCS2.0



Warranty 3
years

Connect with us
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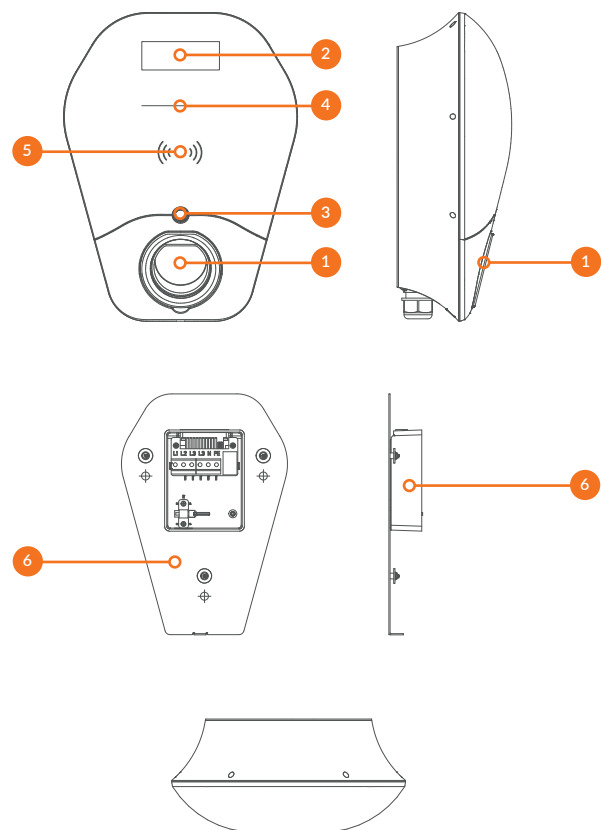
Office
for Zero
Emission
Vehicles



Intelligent EV Charger 7kW AC ICSW7C

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	30mA AC & 6mA DC
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

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	ICSL5S 7kw 5m type 2 to type 2



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Email: info@intelligentchargingsystems.co.uk

www.intelligentchargingsystems.co.uk

ICS_ICSW22C_Data_Sheet_REV01

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



iCS2.0 Lite
Free

[Learn more](#)



iCS2.0
From £6 per month (ex VAT)

[Learn more](#)

Features

Ideal for	Home & Small Business	Commercial
Back end platform access	-	✓
Web based driver portal	-	✓
Driver App	✓	✓
Start / Stop charging by App	✓	✓
Start / Stop charging by managed RFID cards	✓	✓
Start / Stop charging by scanning QR code	-	✓
Pay for use charging (make revenue from chargers)	-	✓
Usage information on Driver App	✓	✓
Scheduled charging on Driver App	✓	Opening hours set per location
Smart Charging	✓	✓
Load management between chargers	1-4 Chargers with additional ICSLMP	Unlimited
Real time monitoring of on-site electrical usage	CT Clamps With additional ICSLMP	With additional sub metering
Fleet management (Drivers, accounts, billing etc)	-	✓
Remote charger management / diagnostics / OTA updates etc	-	✓
Roaming between iCS EV networks	-	✓
EV Network management	-	✓
Multiple drivers per charger	✓	✓
OZEV usage reporting (WCS Scheme)	✓	✓