

wondrwall



EV Charger



WDR-CC-07S-UK
WDR-CC-22S-UK

REV 220125

TECHNICAL SPECIFICATION



WDR-CC-07S-UK



WDR-CC-22S-UK

Wondrwall EV Charger

Dimensions (W x D x H) 210mm x 90mm x 235mm

Net Weight <4.5Kg

Structure

Enclosure protection requirements (IP protection class) IP65

Anti-corrosion and aging requirements No change in the strength of the housing after salt spray test, no corrosion, no rust. Salt spray test meets the requirements of IEC 60664-3

Mechanical strength requirements IK08(Challenge IK10)

Materials Material UV resistant, flame retardant PC material, impact resistance, fire rating UL 94 V0 or above

Logo Silkscreen logo Wondrwall

Installation Requirements Wall-mounted (optional column)

Alignment Lower inlet (standard, about 50cm of three-phase input line outside the pile)

Connection Method Connection type B

Durability The pile base meets 10000 times of insertion and removal without damage, the insertion and removal force should be less than 100N.

Usage

Charging Method Swipe card charging, APP charging, Bluetooth key (Bluetooth sensorless charging), Plug and Play charging

Charging Time Configuration Appointment charging (off-grid normal execution of appointment after successful appointment) / Valley charging (48 time slots configuration)

Power Adjustment Automatic adjustment according to instruction / Automatic adjustment according to temperature

Data Reporting Failure: Failure of the body or system parameters, real-time reporting of failures to the back-end server through the external network, real-time reporting
Log: Each time the control information will be recorded and stored to Flash (TF card), the background trigger before uploading to the backend server .
Status: upload the current working status information to the backend server at 5s (adjustable) intervals during normal operation.

Local Storage Local support for fault alarm storage, should be recorded in the Flash card, each fault must be recorded locally, storage of not less than 100 items

Independent Clock With an independent clock, to achieve continuous recording of time, for after the pile power down, can still maintain the clock within 5 days of normal operation.

Remote Upgrade Support OTA (upgrade failure automatic recovery, does not affect the normal use of the device, the configuration remains unchanged after the programme upgrade)

App

App Wondrwall app

Images are indicative only.

TECHNICAL SPECIFICATION

Electrical

Rated Power	7kW	22kW
Input Voltage	AC230V±10%	400V±10%
Input Frequency	47-63Hz	47-63Hz
Output Voltage	AC230V±10%	400V±10%
Output Current	1A-32A	
Standby Power Consumption	<5W	
Energy Metering	On-board metering Accuracy Class A or better (within 2%)	
Surge	On-board Surge	
Leakage Switch	Built-in RCD EV type leakage protection circuit	
Display	LED RGB indicator	
Bluetooth + WiFi	Dual-mode Bluetooth 5.2+ (Remote and Optional Module Interface Compatible)/WiFi IEEE802.11b/g/n 2.4GHz	
Ethernet	Auto-negotiation support (10/100-Based full duplex/half duplex)	
4G	Optional	
Swipe Module	M1 card, factory equipped with 2 (Option: printing custom logo) (using Mifare card charging, through the UUID for identification, the M1 card needs to be bound with the APP or stake binding, binding support networking and off-grid swipe card)	
Reliability	MTBF>100000h	
Operating Temperature	Suitable for -30°C to +55°C	
Storage Ambient Temperature	Suitable for -40°C to +85°C	
Noise Level	≤55dB (ambient noise ≤40DB under the rated power of charging pile, at a horizontal distance of 1m from the charging pile)	
Altitude	≤2000m (customised for more than 2000m)	
Humidity Requirements	5%-95%, no condensation (IEC 60068-2-3:2007 humidity and heat)	
Shock & Vibration Resistance	The whole machine meets the transport vibration and mechanical shock, and the electrical performance is not affected.	

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Certificate

Reliability	Low temperature: IEC 60068-2-1, High temperature: IEC 60068-2-2, Alternating humidity and heat IEC 60068-2-30, Temperature rise IEC TS 61439-7, Protection class IEC 60529
Safety Certification	IEC 61851-1, IEC 60664-1-2020 (Insulation Resistance, Dielectric Strength, Electrical Clearance and Creepage Distance) IEC 61851-1: 2017, EN 61851-1: 2019 (AFSL add UL 2684,UL 2231, IEC 60950)
EMC Certification	Class B (EMI: conducted, radiated, EMS: electrostatic, surge, EFT, CS, RS, etc.) IEC 61851-21-2: 2018, EN 61000-6-1/-2/-3/-4
RCD	IEC 62955: 2018
RF Certification	EN 301489, EN 301 908-1/-13, EN300328, EN300330-1/-2
Environmental Certification	ROSH
Other Certification Requirements	CE/UKCA

Warranty

Warranty	5 years
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Basic Information

Reference Standard	AC EVSE CE-EMC+UKCA-VOC: EN 300 328; EN 300 330; EN 301 489-1; EN 301 489-3; EN 301 489-17; EN 62311; EN 61851-21-2 AC EVSE CE-Safety EN IEC 61851-1:2019+A1+2023 IEC 62955:2018 BS EN IEC 61851-1:2019+A1:2023 BS7671:2022
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