

EV CHARGER SPECIFICATIONS

REVISION LOG

REVISION	DATE	DETAILS OF REVISION	BY
P1	15.10.2024	First Issue	HE

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1. EVA - 22D - SE - RFID - INTRODUCTION

The EVA-22D-SE-RFID is a three-phase dual AC charging unit, packed with features, such as a no earth spike required installation. The dual gun charger is perfect for both domestic and commercial use with a market-leading five-year warranty.

This charger also has time shifting capabilities giving you the opportunity to save £100's per year*, a cable lock system for added security, free mobile monitoring app, and a dynamic load balancing system.

The EVA-22D-SE-RFID is ready out of the box and perfect for any domestic electric vehicle charging. The RFID unit comes with one RFID card as standard, with additional RFID cards (EV-RFID) available for purchase. Optional ground mounts (EV-GMEVA-D-2) & optional protection posts (EV-POST2) are available to purchase.



2. METHODS OF CONTROL

Plug & Charge - Project EV's ethos is to make charging electric vehicles easy and stress free for all. With the Plug and Play mode you do not require any additional software or applications to control your EV charge point, you simply plug your car into a Project EV device, and the charge begins.

RFID - RFID Mode Charging is an easy simple way for uses to control their EV Charge Point with a swipe of a card. One RFID card is supplied as standard, however extra cards can be supplied for those interested in public charging.

Project EV App - The FREE Project EV App allows you to choose and customise charging rates, prioritise off-peak charging to maximise savings (including via a solar charging mode) and create charging records; so you can see and control all your data.

Project EV Pro App - The Project EV Pro App is a unique EV charging platform, providing you the ability to utilise public charging capabilities and manage and control multiple chargers - from which you can generate a fluid revenue stream.

3. INPUT & OUTPUT

Input Amps	63a Three Phase
Input voltage	415V AC
Input frequency	50HZ
Output voltage	415V AC
Max. output power	22KW per socket
Max. output current	32A per socket
Charging interface type	IEC 62196-2, Type 2



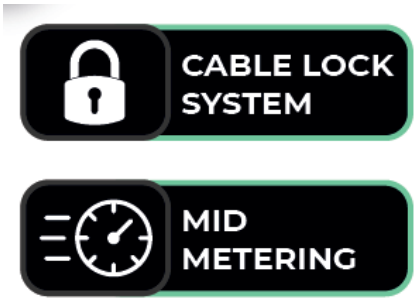
4. PROTECTION

Over voltage protection	✓
Under voltage protection	✓
Over load protection	✓
Short circuit protection	✓
Earth leakage protection	✓
Over-temp protection	✓
Surge protection	✓
PEN fault protection	✓



5. FUNCTION & ACCESSORY

LCD	Yes
Ethernet/WIFI/4G	Yes/Yes/Opt.
Outlet Type	Type 2 (socket)
Number of outlets	2
RCBO	Type A +6mA DC fault current protection (Equivalent to Type B)
LED Indicator light	✓
Mid Metering	✓
Emergency stop button	✓
RFID	✓



6. WORKING ENVIRONMENT

Protection degree	IP65
Environment temperature	-25°C~+50°C
Relative humidity	0-95% non-condensing
Cooling	Natural air cooling
Standby power consumption	<8W
IK Rating	IK10

7. MECHANICAL

Dimension (W/H/D)	320/1635/175mm
Weight	30KG

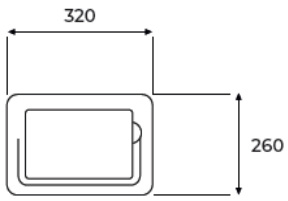
8. MOUNTING & ACCESSORIES

Ground-mounting	Opt. EV-GMEVA-D-2
Recommended base size (W/H/D)	600/600/400mm

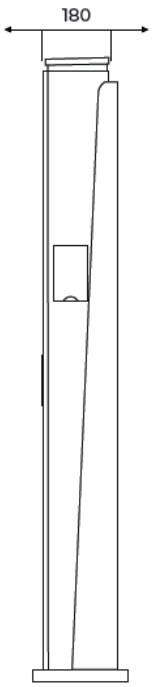
9. CERTIFICATION

CE	✓
SA8000 Accredited	✓
OZEV Approved	✓

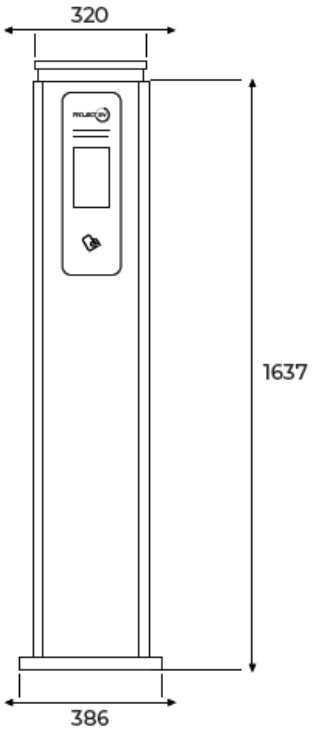
10. TECHNICAL DRAWINGS



PLAN



SIDE ELEVATION



FRONT ELEVATION

11. EVA - 22D - SE - W - INTRODUCTION

FULL PROTECTION
Complex electrical protection over/under temperature protection, residual current protection, etc.

STABLE
IP65 protection grade, capable for harsh environmental conditions.

OCPP SUPPORTED
OCPP v1.6 open charge point protocol. IEC 62196 type II connector.



12. INPUT & OUTPUT

Input Voltage	415V AC
Input frequency	50Hz
Output voltage	400V AC
Max. Output power	22KW*2
Max output current	32A Per Phase/socket
Charging interface type	IEC 62196-2 Type II
Connector	Socket
Number of connection	2



13. PROTECTION

Over voltage protection	Yes
Under voltage protection	Yes
Over load protection	Yes
Short circuit protection	Yes
Earth leakage protection	Yes
Over-temp protection	Yes
Surge protection	Yes

14. FUNCTION & ACCESSORY

Ethernet/WIFI/4G	Yes/Yes/Opt
Payment support	RFID/QR(standard)
LCD	Yes
RCD	Type A + 6mA DC fault current protection (Equivalent to Type B)
LED indicator	Yes
Integrated smart meter	Opt
Emergency stop button	Yes
RFID	Yes
Ground mounting plate (EV-GMEVA-D)	Opt

15. WORKING ENVIRONMENT

Protection degree	IP65
Environment temperature	-20°C ~ +65°C
Relative humidity	0-95% non-condensing
Maximum altitude	<2000m
Cooling	Natural air cooling
Standby power consumption	<8W

16. MECHANICAL

Dimension (W/H/D)	320/562/175mm

17. CERTIFICATION

Certificate	CE