

TECHNICAL SUBMISSION – EV Charging

Technical Submission Ref.:	8790-DBS-XX-XX-SP-E-6003	Revision:	A
Technical Submission Title:	Electric Vehicle Charging Points		

Project Number:	JR008790
Project Name:	Gorton Road, Manchester
Completed By:	Paul Knowles
Issued To (Name / Company):	Shaun McDermott / Engie

Manufacturer	Model / Part Number / Description	No. Of
Project EV	EVTHA-07S-S Pro Earth – For use on Town house Plots	6
Project EV	EVA-07SE-RFID Car Charger 7.3kW 230V -For Use in the External Car Park Areas.	4
Project EV	POLEFLOORSTAND – For Use with EVA-07SE-RFID 7.3kW	4

General Description:

Please find attached information with regards to the EV Charging Points being proposed for the Project

Equipment Literature Attached ☒ Not Applicable ☐

Equipment Schedule Attached ☒ Not Applicable ☐

Specification By:

Crookes Walker

Specification Title:

Pottery Lane, Manchester
Mechanical & Electrical Services
Performance Specification
RIBA Stage 3
Tender Specification Ref: 1761 S001 Rev T3 Date: 21/02/2020

Equipment Compliant with Specification? Yes ☐ Not Applicable ☒

Reason For Non-Compliance (if required):

25/06/2021
09/07/2021

☐ ☐ ☐

Comments:

EVA-07S-SE / EVA-07S-SE RFID

Pro Earth (Single Phase)

PROJECT **EV**

- ⚡ Meet the next generation of EV charge points.
- ⚡ New simple RCD inspection chamber
- ⚡ Market beating pricing
- ⚡ Built in earthing arrangement means no costly groundwork, holes in driveways or additional mess or costly earth spike installation



STABLE

IP65 protection grade, capable for harsh environmental conditions



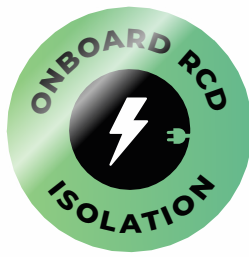
INTELLIGENT

Intelligent power adjustment, emergency stop, WiFi/APP/ethernet monitoring



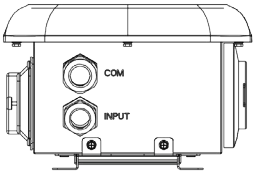
TIME SHIFTING

You could save 100's per year by utilising off peak energy tariffs to charge your vehicle



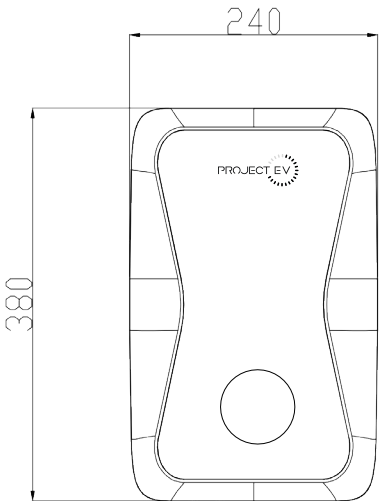
Input & Output

Input voltage	230V AC
Input frequency	50/60HZ
Output voltage	230V AC
Max. output power	7.3KW
Max. output current	32A
Charging interface type	IEC 62196-2,Type 2



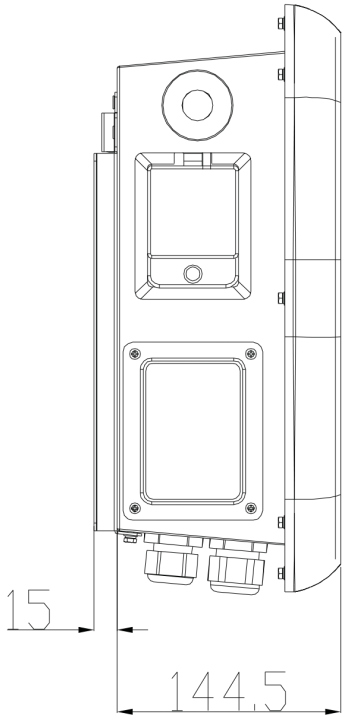
Protection

Over voltage protection	Yes
Under voltage protection	Yes
Over load protection	Yes
Short circuit protection	Yes
Earth leakage protection	Yes
Over-temp protection	Yes
Lightning protection	Yes
Earth loss disconnection	Yes



Function and Accessory

Ethernet/WIFI/4G	Yes/Yes/Opt
Connector	Socket/Plug
LCD	Opt
RCD	Type A +6mA DC fault current protection (Equivalent to Type B)
LED Indicator light	
Emergency stop button	Yes
Intelligent power adjustment	Opt
RFID	Yes (Only applies to EVA-07S-SE RFID)



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

Mechanical

Dimension (W/H/D)	240/380/145mm
Weight	<7KG

Mounting Accessories

Wall-mounting	Yes
Ground-mounting pole	Opt

Certification

Certificate	CE
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EVA-07S-S / EVA-07S-S RFID

EV AC Charging Station (Single Phase)



COMPACT DESIGN

Attractive appearance, simple but elegant



FULL PROTECTION

Full electrical protection, over/under temperature protection, etc



GLOBAL STANDARD

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



EASY TO INSTALL

Wall-mounting or pole-mounting optional



STABLE

IP65 protection grade, capable for harsh environmental conditions



INTELLIGENT

Intelligent power adjustment, emergency stop, Wifi/APP/ethernet monitoring



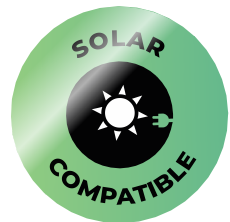
SOLAR COMPATIBLE

All of our EV chargers are solar compatible and can be used in conjunction with existing solar installations



TIME SHIFTING

You could save 100's per year by utilising off peak energy tariffs to charge your vehicle



Input & Output

Input voltage	230V AC
Input frequency	50Hz
Output voltage	230V AC
Max. output power	7.3KW
Max. output current	32A
Charging interface type	IEC 62196-2, Type II

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
Lightning protection	Yes

Function and Accessory

Ethernet/WIFI/4G	Yes/Yes/Opt
Connector	Socket
RCD	Type A + 6mA DC fault current protection (Equivalent to Type B)
LED Indicator light	Yes
Emergency stop button	Yes
Intelligent power adjustment	Opt
RFID	Yes (Only applies to EVA-07S-S RFID)

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

Mechanical

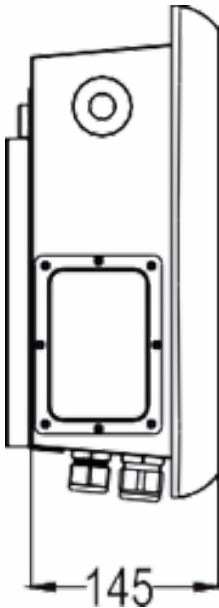
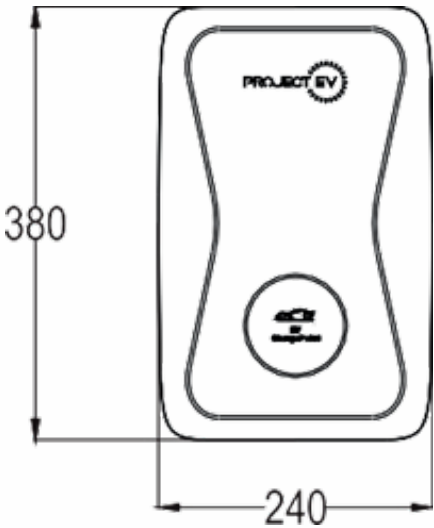
Dimension (W/H/D)	240/380/145mm
Weight	<7KG

Mounting Accessories

Wall-mounting	Yes
Ground-mounting pole	Opt

Certification

Certificate	CE
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MOUNT POLE

EV-FLRSTAND



SLEEK DESIGN

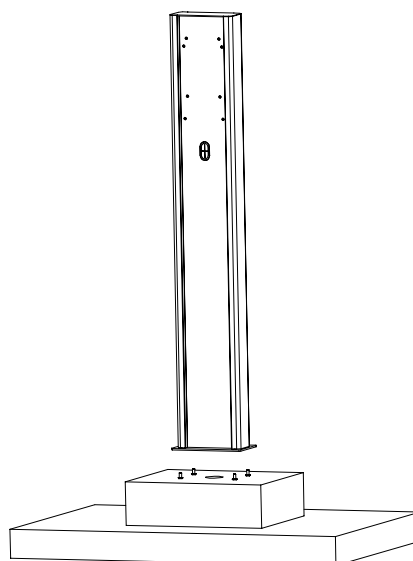
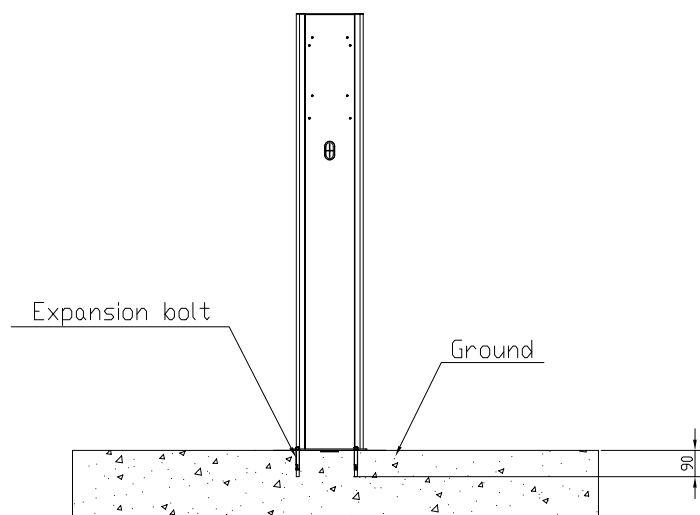
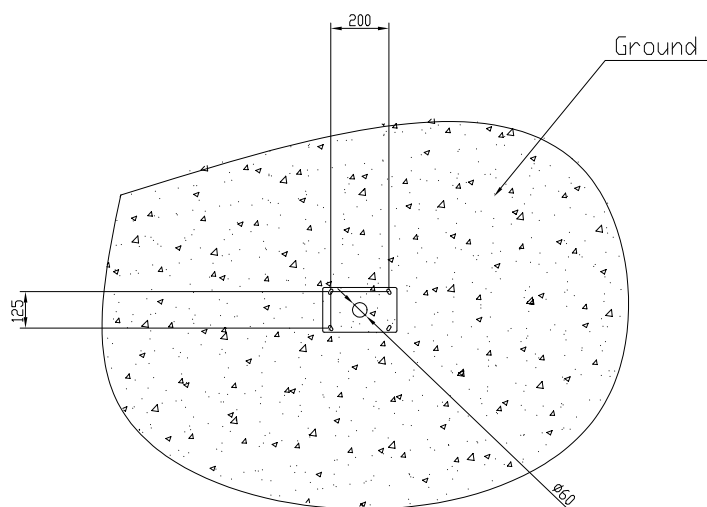
Attractive appearance,
simple but elegant



EASY TO INSTALL



ENGINEERED



Dimension (W/H/D)	255/1500/154mm
Weight	14KG
Applicable models	EVA-03S-P / EVA-03S-S EVA-07S-P / EVA-07S-S EVA-11S-P / EVA-11S-S EVA-22S-P / EVA-22S-S EVA-44S-P