TWENTY TWO

PRO

INTRODUCTION

The VCHRGD TwentyTwo Pro is the ultimate solution for workplace, destination, fleet, and commercial three phase EV charging. Combining cutting-edge technology with effortless functionality, this 22kW charge point is designed to meet the demands of modern electric mobility.

With integrated 4G, WiFi, RFID and Bluetooth connectivity, the TwentyTwo Pro ensures seamless communication and control. Advanced features such as PEN protection, dynamic load management, and roaming data enhance safety and efficiency, while a 3-year warranty provides peace of mind.

Crafted with user experience at its core, the sleek two-tone matte and glossy black design complements any environment. Push-fit installation simplifies setup and ensures ease of maintenance throughout its lifetime.

Engineered for reliability and defined by its premium aesthetics, the VCHRGD TwentyTwo Pro sets a new standard in EV charging.

INTRODUCTION
PRODUCT FEATURES

UNTETHERED
TYPE 2 UNIVERSAL

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KEY FEATURES

Load Balancing
Hard-wired dynamic load balancing with CT's provided in box. Never overload your main supply

Robust Casing
Robust IK10 rated ABS casing. Chargers built to last in any environment

Push Fit
Simple installation with modular charging hardware, increased wiring area & push fit connection

PEN Protection
Simplified installation and reduced project costs, through built in PEN protection

RFID
Built-in RFID reader for easy charge card registration and local charge authorisation

OCPP 1.6
OCPP 1.6 compliant for easy integration with a plethora of back-end service providers

Universal Socket
Universal Type 2 socket for flexibility and future proof commercial charging

Secure
Compliant with all UK smart charging standards & encrypted bluetooth, WiFi & RFID

Cable Lock
Turning untethered chargers into tethered at the touch of a button. Secure your cable

Connected
Configurable connectivity with WiFi, 4G and Ethernet. Your connection, your choice

S P E C I F I C A T I O N

K E Y   S P E C I F I C A T I O N S

Electrical Characteristics

Charger Type	Mode 3 (IEC61851-1)
Nominal Supply	Single phase 230V / Three Phase 400V, 50Hz
Charging Power	Up to 32A (22kW)
Over Current Protection	40A
Current rating	Adjustable (6A to 32A)
Standby Power Consumption	<2.5W
Earth Leakage Protection	AC 30mA + DC 6mA
PEN Protection	BS7671:722.411.4.1 Ident V
Supply Connection	L1,L2, L3, N + PE / CT1 + CT2 + CT3 + PV+/-

Connectivity

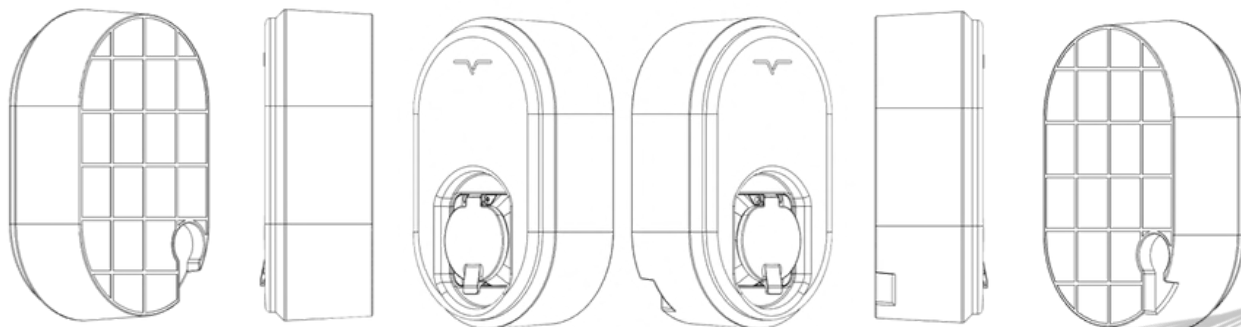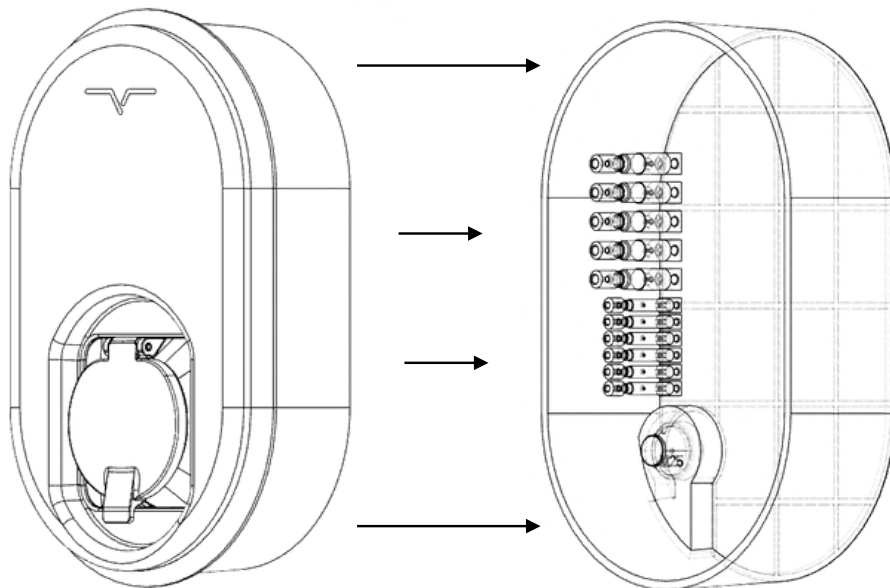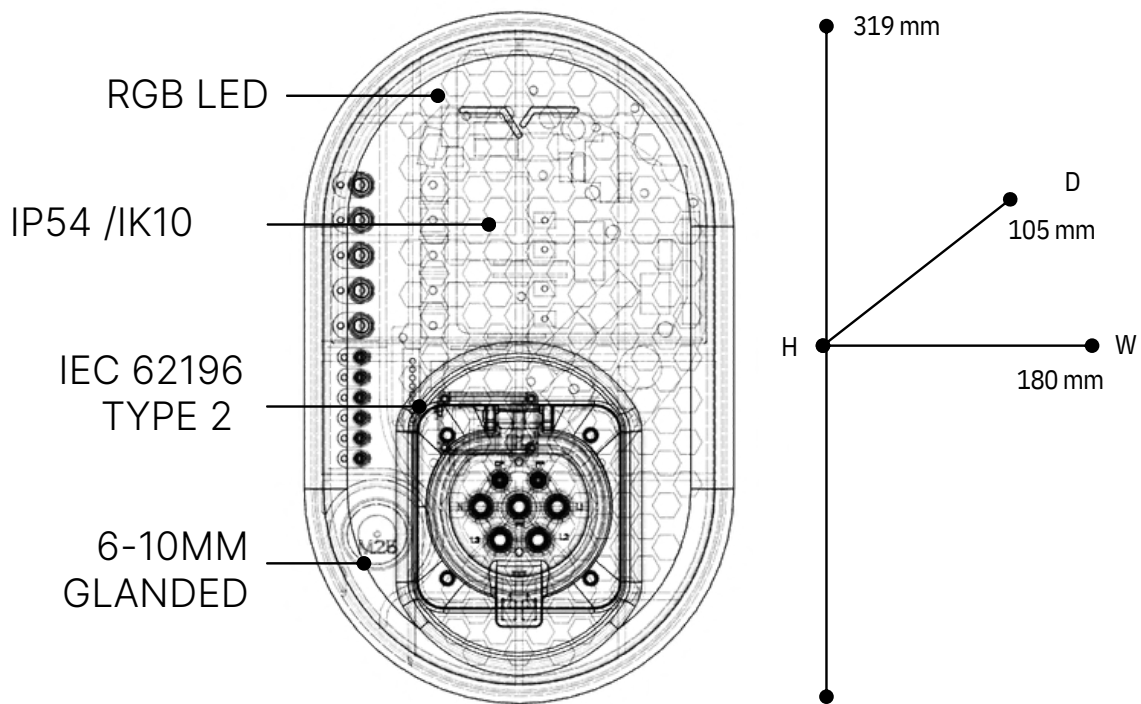|	
WiFi	(IEEE 802.11bgn) @ 2.4Ghz WPA-2
Connection security	Transport Layer Secure Encryption HTTPS
Bluetooth	2.4GHz
RFID	~ 120 -140kHz
4G Cellular	~ 600 MHz –2.5 GHz

Mechanical Features

Connector	Type 2 IEC62196
Mounting	Wall or Pedestal
Dimension (mm)	300 (L) 180 (H) 90 (D)
Weight	3.5kg approx
IP Class/IK Class	IP54 / IK10

Safety & Operational Ratings

Status	LED Indication, Mobile Application (OCPP 1.6J)
Operating Ambient Temperature	-25°C to 50°C
Relative Humidity	5% -95%
Atmospheric Pressure	80kPA –110kPA
EMC Compliance	IEC61000-4
Integral Protection	Under & Over Voltage, Temperature & Current
	6mA DC Leakage, RCDD
	PEN Fault Detection

SPECIFICATION
CASING & DIMENSIONS

RGB LED

IP54 /IK10

IEC 62196
TYPE 2

6-10MM
GLANDED

319 mm

D
105 mm

H   W
180 mm

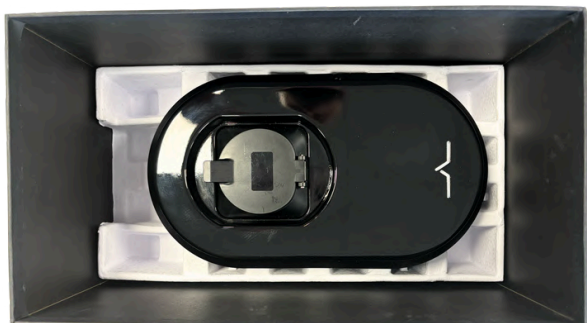DATASHEET V1.2 2025

P A C K A G I N G
I N S I D E   T H E   B O X

I N T E R N A L   P A C K A G I N G

INTERNAL PROTECTIVE PACKAGING
KEEP ME GUIDE, FIXINGS PACK, 2X RFID CARDS

E X T E R N A L   P A C K A G I N G

PROTECTIVE CARDBOARD MATTE FINISH ANTI-SCUFF SLEEVE, RIGID CARDBOARD CORE PACKAGING WITH INTERNAL PROTECTION

C H A R G E P O I N T

22KW CHARGEPOINT

1 0 0 %   R E C Y C L A B L E

ALL PACKAGING MATERIALS ARE 100% RECYCLABLE AND SHOULD BE RESPONSBILY DISPOSED OF AFTER INSTALLATION

F I X T U R E S

4 X WALL MOUNTING SCREWS
4 X WALL PLUGS
5 X FERRULES
1 X TORX+ DRILL BIT
5 X TORX+ BACK BOX SCREWS

C T   C L A M P

3 X CT CLAMP AS STANDARD EASTRON SPLIT CORE CT 120A RATED INPUT 40MA OUTPUT 0.5% ACCURACY

4 G   S I M

3 YEARS DATA, 3 ROAMING UK NETWORKS, 50MB/MONTH MAXIMUM USAGE, WORKS IN TANDEM WITH WIFI FOR FALLBACK OR STANDALONE

R F I D   C A R D S

2 X TAP & CHARGE RFID CARDS USED TO AUTHORISE CHARGING IN TANDEM WITH VCHRGD HOME APP, OR IN STANDALONE RFID MODE IF NO DATA CONNECTION

N O T E | IT IS IMPORTANT TO ENSURE THAT THE CUSTOMER RETAINS THE KEEP ME GUIDE FOR HOME APP SIGN UP AND ONGOING SUPPORT PURPOSES.

Looking to learn a little more?
Why not reach out...

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vchrgd

SIMPLICITY | SUSTAINABILITY | SUPPORT