



SCVCN_{PRO}

Product Datasheet



DATASHEET V1.3 2024

I N T R O D U C T I O N

The VCHRGD Seven Pro is a premium 7.4kW charging solution designed for domestic, fleet-at-home, destination, and workplace applications. Delivering 32A of single-phase power, this charger combines reliable performance with user-friendly features to support the needs of everyday EV charging.

With built-in WiFi, RFID, and Bluetooth connectivity, the Seven Pro ensures smooth operation and effortless management. Enhanced safety is provided by PEN, UV/OV & temperature protection, while dynamic load management optimises power usage across your system. Backed by a 3-year warranty, it's a solution built to last.

Featuring a sophisticated two-tone matte and glossy black design, the Seven Pro offers a clean, modern aesthetic that complements any setting. Its innovative push-fit installation simplifies setup and ensures ease of maintenance for years to come.

Practical, efficient, and stylish, the VCHRGD Seven Pro redefines cost effective convenience in EV charging.



INTRODUCTION

PRODUCT FEATURES

UNTETHERED TYPE 2 UNIVERSAL



TETHERED 5 OR 7.5M TYPE 2



KEY FEATURES



Load Balancing

Hard-wired dynamic load balancing with CT 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 or tethered 7.5 metre Type 2 Cable built in



Solar Integration

Our chargers monitor your solar export, allowing you to charge for free with 1 or 2 CT Inputs



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

SPECIFICATION

KEY SPECIFICATIONS

Electrical Characteristics

Charger Type	Mode 3 (IEC61851-1)
Nominal Supply	Single phase 230V, 50/60Hz
Charging Power	Up to 32A (7kW)
Over Current Protection	40A
Current rating	Adjustable (6A to 32A)
Standby Power Consumption	<2.5W
Earth Leakage Protection	AC 30mA + DC 6mA (2P Type A RCBO Required)
PEN Protection	BS7671:722.411.4.1 Ident V
Supply Connection	L, N + PE / CT1 + CT2

Connectivity

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

Mechanical Features

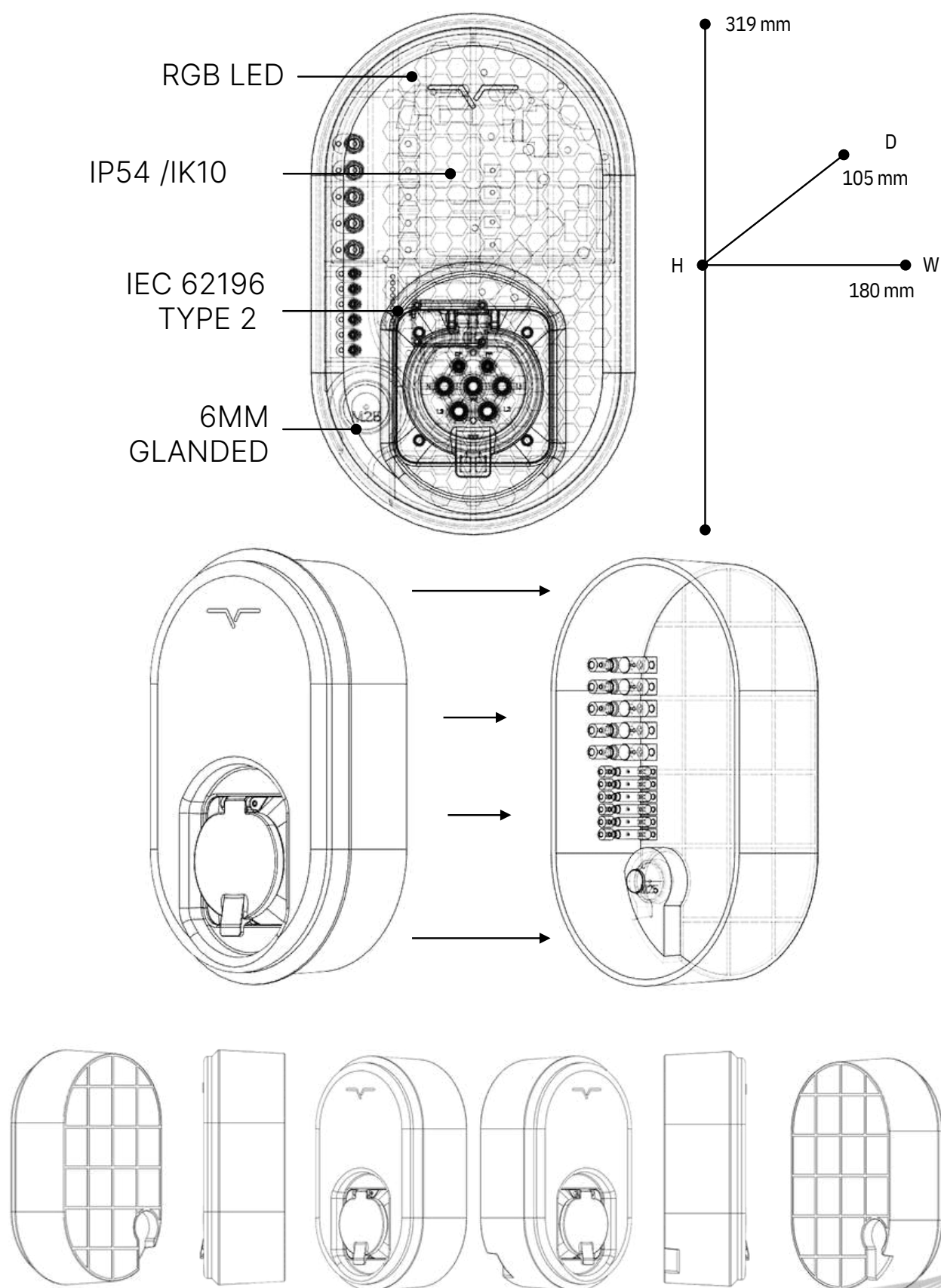
Connector	Type 2 IEC62196
Mounting	Wall or Pedestal
Dimension (mm)	300 (L) 180 (H) 90 (D)
Weight	3kg approx. (excl. charging cable) 4kg w/ cable
IP Class/IK Class	IP54 / IK10

Safety & Operational Ratings

Status	LED Indication, Mobile App (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



PACKAGING

INSIDE THE BOX

INTERNAL PACKAGING

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



CHARGEPOINT

7KW CHARGEPOINT W/ CABLE IF TETHERED



EXTERNAL PACKAGING

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



100% RECYCLABLE

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



• FIXTURES

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



• CT CLAMP

1 X CT CLAMP AS STANDARD
2ND CT CLAMP IF ORDERED
EASTRON SPLIT CORE CT 120A
RATED INPUT 40MA OUTPUT
0.5% ACCURACY



• KEEP ME GUIDE

COMMISSIONING & SET UP GUIDE
TO BE LEFT WITH CUSTOMER
INSTALLER PASSWORD, APP SET
UP CREDENTIALS & QR CODES TO
DOWNLOAD USER/INSTALL APPS



• RFID CARDS

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

NOTE | 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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SIMPLICITY | SUSTAINABILITY | SUPPORT