

Seven

The Seven

7kW SMART CHARGER
DATASHEET



SEVEN 7KW CHARGER



The Seven is a compact and cost-effective solution for smart EV charging. The charger is a single phase, 32A (7kW) charger, but can be limited to an current from 6A up to 32A.

It's understated, stylish and compact design is in harmony with its simple operation & installation. Available in tethered complete with a 5m length cable and European Standard Type-2 connector, or untethered with a universal Type-2 Socket , it's an ideal choice for domestic charging.

Integral O-PEN protection, means that no additional earth rod is required, and simple connections make the installation process fast and efficient. WiFi & Bluetooth Connectivity allow for remote authorisation, charge scheduling and diagnostics via mobile app and online portal.

Features

- Single Phase, 32A 7kW Charger
- 5m Cable with Type 2 Connector
- App Controlled Access & Scheduling
- Wall or Stand Mounted
- Compact Design - 221 x220 x 84mm
- OCPP 1.6 JSON

Protection

- Integral Welding Detection
- Integral PEN Protection
- Robust Weatherproof Casing IP55/IK10

Connectivity

- WiFi (IEEE 802.11bgn) @2.4 Ghz
- Bluetooth 4.2

Tethered



Untethered



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	5 Steps Adjustable (6A to 32A)
Standby Power Consumption	<2.5W
Earth Leakage Protection	AC 30mA + DC 6mA
PEN Protection	PE Current >100mA
Supply Connection	L, N + PE

Connectivity Specifications

WiFi	(IEEE 802.11bgn) @2.4Ghz
	WPA-2
Connection security	Transport Layer Secure Encryption HTTPS

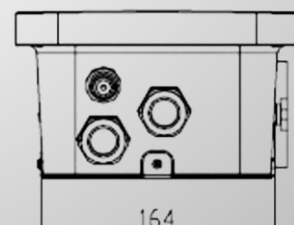
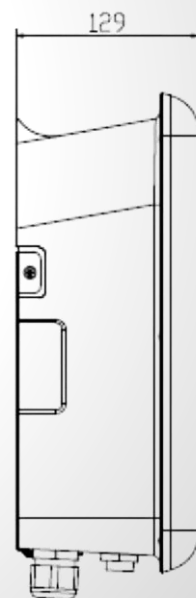
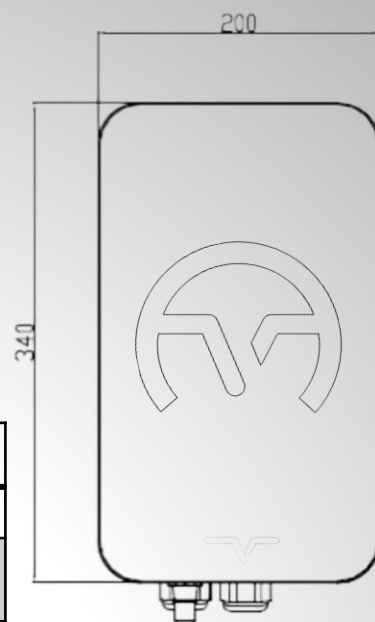
SEVEN 7KW CHARGER



Mechanical Features	
Connector	Type 2 IEC62196
Mounting	Wall or Pedestal
Dimension (mm)	221(L) 220(H) 85(D)
Weight	4kg approx. (excl. charging cable) 5kg w/ cable
IP Class/IK Class	IP55

Safety & Operational Ratings	
Status	LED Indication
Operating Ambient Temperature	-25°C to 50°C
Relative Humidity	5% - 90%
Atmospheric Pressure	80kPA - 110kPA
EMC Compliance	EN55011 Class B
Integral Protection	Under & Over Voltage & Current
	6mA DC Leakage Detection
	O-PEN
	Undergrounded

Compliance & Certification	
Certification	IEC61851-1:2017
	IEC61851-22-2:2018
	LVD 2014/35/EU
	BS7671: 2018
	EN61000-3-11
	EN61000-2-2
	EMCD 2014/30/EU
Protocol	OCP 1.6
CE Certified	YES



info@chrgd.co.uk



+44(0)1494 370523

