

www.onestopcharge.co.za



ONE STOP CHARGE



HomeLine

home charging solution

From 3.7 kW to 22 kW

Charges up to 8 times faster than a regular outlet

Available with fixed charging cable (optional)

Remote monitoring and settlement of charging costs

Durable, low maintenance

Best applicable for residential use at houses and apartments



Technical features

Charging capacity per connector	7.4 kW, 22 kW
Charge mode	Mode 3
Connector type	Type 2S (with Shutter) + Type E (wall socket 16 A)
Number of connectors	1 or 2
CE certified	Yes
Output power	1-phase or 3-phase, 230 V – 400 V, 32 A
Temperature range	-25°C to +60°C
Moisture (non-regulating)	Max. 95%
Authorization	Auto START / Keyfob / RFID card
Information status	LED ring
Communication	GPS / GSM / UMTS / GPRS Modem / controller with RFID reader
Communication protocol	OCPP 1.2, 1.5 and 1.6

Physical features

Designed according to	IEC 61851-1 (2010), EC 61851-22 (2002)
Protection	IP54, IK10
Installation instructions	EN/IEC 61000-32 (2014), EN/IEC 61000-3-3 (2013) EN/IEC 61000-6-2 (2016), EN/IEC 61000-6-3 (2007) + A1 (2011) EN/IEC 60335-1 (2012) +A13 (2017), EN/IEC 60364-4-41 (2017) EN/IEC 60529-1 (1989) +A1 (1999) + A2 (2013) EN/IEC 60950-1 (2005) + A1 (2009) + A2 (2013) EN/IEC 60950-22 (2017), EN/IEC 61851-1 (2017) EN/IEC 61851-22 (2002), EN/IEC 62196-1 (2014) EN/IEC 62196-2 (2017)

Housing	Polycarbonate
Dimensions (LxWxH)	600 x 255 x 410 mm (double socket) 600 x 255 x 205 mm (single socket)
Weight	11 kg (max.)
Mounting	Wall or pole
Standard colors	RAL 7016 (dark grey), RAL 9016 (white)

All online charging stations include a MID-certified kWh meter.

HomeLine Autostart

home charging solution

3.7 kW, 11 kW, 22 kW

Charges up to 8 times faster than a regular outlet

Available with fixed charging cables (optional)

Durable, low maintenance

Best applicable for residential use at houses



Technical features

Charging capacity per connector	7.4 kW, 22 kW
Charge mode	Mode 3
Connector type	Type 2S (with Shutter) + Type E (wall socket 16 A)
Number of connectors	1 or 2
CE certified	Yes
Output power	1-phase or 3-phase, 230 V – 400 V, 32 A
Temperature range	-25°C to +60°C
Moisture (non-regulating)	Max. 95%
Authorization	Auto START / Keyfob / RFID card
Information status	LED ring
Communication	GPS / GSM / UMTS / GPRS Modem / controller with RFID reader
Communication protocol	OCPP 1.2, 1.5 and 1.6

Physical features

Designed according to	IEC 61851-1 (2010), EC 61851-22 (2002)
Protection	IP54, IK10
Installation instructions	EN/IEC 61000-32 (2014), EN/IEC 61000-3-3 (2013) EN/IEC 61000-6-2 (2016), EN/IEC 61000-6-3 (2007) + A1 (2011) EN/IEC 60335-1 (2012) +A13 (2017), EN/IEC 60364-4-41 (2017) EN/IEC 60529-1 (1989) +A1 (1999) + A2 (2013) EN/IEC 60950-1 (2005) + A1 (2009) + A2 (2013) EN/IEC 60950-22 (2017), EN/IEC 61851-1 (2017) EN/IEC 61851-22 (2002), EN/IEC 62196-1 (2014) EN/IEC 62196-2 (2017)

Housing	Polycarbonate
Dimensions (LxWxH)	600 x 255 x 410 mm (double socket) 600 x 255 x 205 mm (single socket)
Weight	11 kg (max.)
Mounting	Wall or pole
Standard colors	RAL 7016 (dark grey), RAL 9016 (white)

All online charging stations include a MID-certified kWh meter.

HomeLine T2SE

home charging solution

7.4 kW and 22 kW

Equipped with Schuko charging plugs

Remote monitoring and settlement of charging costs

Durable, low maintenance

Best applicable for residential use at houses and apartments



Technical features

Charging capacity per connector	7.4 kW, 22 kW
Charge mode	Mode 3
Connector type	Type 2S (with Shutter) + Type E (wall socket 16 A)
Number of connectors	1 or 2
CE certified	Yes
Output power	1-phase or 3-phase, 230 V – 400 V, 32 A
Temperature range	-25°C to +60°C
Moisture (non-regulating)	Max. 95%
Authorization	Auto START / Keyfob / RFID card
Information status	LED ring
Communication	GPS / GSM / UMTS / GPRS Modem / controller with RFID reader
Communication protocol	OCPP 1.2, 1.5 and 1.6

Physical features

Designed according to	IEC 61851-1 (2010), EC 61851-22 (2002)
Protection	IP54, IK10
Installation instructions	EN/IEC 61000-32 (2014), EN/IEC 61000-3-3 (2013) EN/IEC 61000-6-2 (2016), EN/IEC 61000-6-3 (2007) + A1 (2011) EN/IEC 60335-1 (2012) + A13 (2017), EN/IEC 60364-4-41 (2017) EN/IEC 60529-1 (1989) + A1 (1999) + A2 (2013) EN/IEC 60950-1 (2005) + A1 (2009) + A2 (2013) EN/IEC 60950-22 (2017), EN/IEC 61851-1 (2017) EN/IEC 61851-22 (2002), EN/IEC 62196-1 (2014) EN/IEC 62196-2 (2017)

Housing	Polycarbonate
Dimensions (LxWxH)	600 x 255 x 410 mm (double socket) 600 x 255 x 205 mm (single socket)
Weight	11 kg (max.)
Mounting	Wall or pole
Standard colors	RAL 7016 (dark grey), RAL 9016 (white)

All online charging stations include a MID-certified kWh meter.

BusinessLine

business charging solution

From 3.7 kW to 22 kW

Charges two cars simultaneously

Available with fixed charging cables (optional)

Available with Schuko charging plugs (optional)

Durable, low maintenance

Remote monitoring and settlement of charging costs

Distributes power efficiently with Load Balancing

Integrated with multiple software providers for customer flexibility



Technical features

Charging capacity per connector	3.7 kW, 7.4 kW, 11 kW, 22 kW
Charge mode	Mode 3, Z.E. Ready
Connector type	Type 2
Number of connectors	1 or 2
CE certified	Yes
Output power	1-phase or 3-phase, 230V – 400V, 16A and 32A
Temperature range	-25°C to +60°C
Moisture (non-regulating)	Max. 95%
Authorization	Auto START / Keyfob / RFID card
Information status	LED ring
Communication	GPS / GSM / UMTS / GPRS Modem / controller with RFID reader
Communication protocol	OCPP 1.2, 1.5 and 1.6

Physical features

Designed according to	IEC 61851-1 (2010), EC 61851-22 (2002)
Protection	IP54, IK10
Installation instructions	EN/IEC 61000-32 (2014), EN/IEC 61000-3-3 (2013) EN/IEC 61000-6-2 (2016), EN/IEC 61000-6-3 (2007) + A1 (2011) EN/IEC 60335-1 (2012) + A13 (2017), EN/IEC 60364-4-41 (2017) EN/IEC 60529-1 (1989) + A1 (1999) + A2 (2013) EN/IEC 60950-1 (2005) + A1 (2009) + A2 (2013) EN/IEC 60950-22 (2017), EN/IEC 61851-1 (2017) EN/IEC 61851-22 (2002), EN/IEC 62196-1 (2014) EN/IEC 62196-2 (2017)

Housing	Polycarbonate
Dimensions (mm)	600 x 255 x 410 mm (double socket) 600 x 255 x 205 mm (single socket)
Weight	11 kg (max.)
Mounting	Wall or pole
Standard colors	RAL 5017 (blue), RAL 7016 (dark grey), RAL 7042 (light grey), RAL 9016 (white)

All online charging stations include a MID-certified kWh meter.

BusinessLine T2SE

business charging solution

7.4 kW or 22 kW

Charges two cars simultaneously

Remote monitoring and settlement of charging costs

Distributes power efficiently with Load Balancing

Integrated with multiple software providers for customer flexibility

Durable, low maintenance



Technical features

Charging capacity per connector	7.4kW, 22kW
Charge mode	Mode 3
Connector type	Type 2S (with Shutter) + Type E (wall socket 16A)
Number of connectors	1
CE certified	Yes
Output power	1-phase or 3-phase, 230V – 400V, 32A
Temperature range	-25°C to +60°C
Moisture (non-regulating)	Max. 95%
Authorization	Auto START / Keyfob / RFID card
Information status	LED ring
Communication	GPS / GSM / UMTS / GPRS Modem / controller with RFID reader
Communication protocol	OCPP 1.2, 1.5 and 1.6

Physical properties

Designed according to	IEC 61851-1 (2010), EC 61851-22 (2002)
Protection	IP54, IK10
Installation instructions	EN/IEC 61000-32 (2014), EN/IEC 61000-3-3 (2013), EN/IEC 61000-6-2 (2016), EN/IEC 61000-6-3 (2007) + A1 (2011), EN/IEC 60335-1 (2012) + A13 (2017), EN/IEC 60364-4-41 (2017), EN/IEC 60529-1 (1989) + A1 (1999) + A2 (2013), EN/IEC 60950-1 (2005) + A1 (2009) + A2 (2013), EN/IEC 60950-22 (2017), EN/IEC 61851-1 (2017), EN/IEC 61851-22 (2002), EN/IEC 62196-1 (2014), EN/IEC 62196-2 (2017)
Housing	Polycarbonate
Dimensions (mm)	490 x 315 x 170 (L x W x H)
Weight	8 kg (max.)
Mounting	Wall or pole
Standard colors	RAL 7016 (dark grey), RAL 9016 (white)

All online charging stations include a MID-certified kWh meter.

PublicLine

public charging solution

11 kW and 22 kW

Charges 2 cars simultaneously

Compatible with all grid networks

Robust, durable, low maintenance

Remote monitoring and settlement of charging costs

Distributes power efficiently with Load Balancing

Integrated with multiple software providers for customer flexibility



Technical features

Charging capacity per connector	11 kW, 22 kW
Charge mode	Mode 3, Z.E. Ready
Connector type	Type 2
Number of connectors	2
CE certified	Yes
Output power	3-phase, 400 V, 16 A and 32 A
Temperature range	-25°C to +60°C
Moisture (non-regulating)	Max. 95%
Authorization	RFID card
Information status	LED ring
Communication	GPS / GSM / UMTS / GPRS Modem / controller with RFID reader
Communication protocol	OCPP 1.2, 1.5 and 1.6

Physical properties

Designed according to	IEC 61851-1 (2010), EC 61851-22 (2002), Renault Z.E. Ready guidelines
Protection	IP54, IK10
Installation instructions	EN/IEC 61000-32 (2014), EN/IEC 61000-3-3 (2013), EN/IEC 61000-6-2 (2016), EN/IEC 61000-6-3 (2007) + A1 (2011) EN/IEC 60335-1 (2012) +A13 (2017), EN/IEC 60364-4-41 (2017) EN/IEC 60529-1 (1989) +A1 (1999) + A2 (2013), EN/IEC 60950-1 (2005) + A1 (2009) + A2 (2013), EN/IEC 60950-22 (2017), EN/IEC 61851-1 (2017), EN/IEC 61851-22 (2002), EN/IEC 62196-1 (2014), EN/IEC 62196-2 (2017)
Housing	Stainless steel
Dimensions (WxHxD)	350 x 1250 x 22 mm
Weight	30 kg (max.)
Mounting	On foundation
Standard colors	RAL 7024 (graphite gray)

Charging cable

Type 1

Easy to use and maintain
Remains flexible in cold weather conditions
Long rubber tube prevents cable buckling
Made of heat-resistant materials
2 years warranty

Please read before use

- EVBox charging cables are to be used exclusively for charging electric vehicles (EVs) at Mode 3 charging stations according to the standards of ISO 17409 and IEC 61851.
- Always do a visual check on the charging cable before use.
- Never use the charging cable when damaged.
- When not in use, always place the protective cap on the plugs; protect the plugs at all times.
- When not in use, wind the cable carefully and store it in a proper way.
- Avoid contact with heat sources and water at all times.
- Avoid bending the cable.
- Suitable for use within the range of -10 and +40 degrees Celsius.

Article No.	Phase	Max. Amperage	Max. Voltage	Length
C1164-T2T1	1	16A	250V	4 meters
C1168-T2T1	1	16A	250V	8 meters
C1324-T2T1	1	32A	250V	4 meters

For specific requirements, please contact your dealer.



Charging cable

Type 2

Easy to use and maintain
Remains flexible in cold weather conditions
Long rubber tube prevents cable buckling
Made of heat-resistant materials
2 years warranty



Please read before use

- EVBox charging cables are to be used exclusively for charging electric vehicles (EVs) at Mode 3 charging stations according to the standards of ISO 17409 and IEC 61851.
- Always do a visual check on the charging cable before use.
- Never use the charging cable when damaged.
- When not in use, always place the protective cap on the plugs; protect the plugs at all times.
- When not in use, wind the cable carefully and store it in a proper way.
- Avoid contact with heat sources and water at all times.
- Avoid bending the cable.
- Suitable for use within the range of -10 and +40 degrees Celsius.

Article No.	Phase	Max. Amperage	Max. Voltage	Length
C1164-T2T2	1	16A	250V	4 meters
C1166-T2T2	1	16A	250V	6 meters
C1168-T2T2	1	16A	250V	8 meters
C3164-T2T2	3	16A	380-480V	4 meters
C3168-T2T2	3	16A	380-480V	8 meters
C3324-T2T2	3	32A	380-480V	4 meters
C3328-T2T2	3	32A	380-480V	8 meters

For specific requirements, please contact your dealer.

DC

fast charging solution















50 kW

Charges up to 125 km in just 30 minutes

Flexible architecture and universally compatible in every space and use case

Made to last with auto-retractable cables, high quality power electronic components, and more

Consumes power efficiently with smart queuing and battery storage options

-  50 kW fast charging capacity
-  Flexible architecture
-  Tariff settings
-  Universally compatible
-  Roaming
-  Utility power cabinet
-  Auto-retractable cables
-  Easy transportation, installation and maintenance
-  Advanced cooling and heating system
-  Remote maintenance
-  3-year warranty
-  Smart queuing
-  Color touchscreen with 4 languages
-  Optional battery storage



Electrical properties

QuickCharger 50 kW

AC input

Voltage range	400 VAC +/- 10%
Number of phases	3 P + N + PE
Frequency	50 Hz
Required power supply capacity	54 kVA (36 kVA with battery storage)
Nominal input current	77 A (60 A with battery storage)
Power factor	> 0.99
Efficiency	95%
Grounding system	IT, TT or TN-S
Stand-by power consumption	100 W + 40 W

DC output

Output power	50 kW
Output voltage range	50 VDC – 500 VDC
Output current range	1 A – 120 A

AC output (mode 3)






Output power	43 kW with attached cable / 22 kW with socket outlet
Output voltage range	400 VAC +/- 10%
Maximum output current	63 A with attached cable / 32 A with socket outlet

AC output (mode 2)

Output power	2.3 kW
Output voltage range	230 VAC +/- 10%
Maximum output current	10 A

Electrical protections

Internal electrical protections	RCBO 30 mA Type A, RCD 30 mA Type A + 6 mA detection, MCB curve C/D
Required circuit breaker upstream	MCB Curve D, 100 A & RCD 300 mA, Type A, HI, (S)

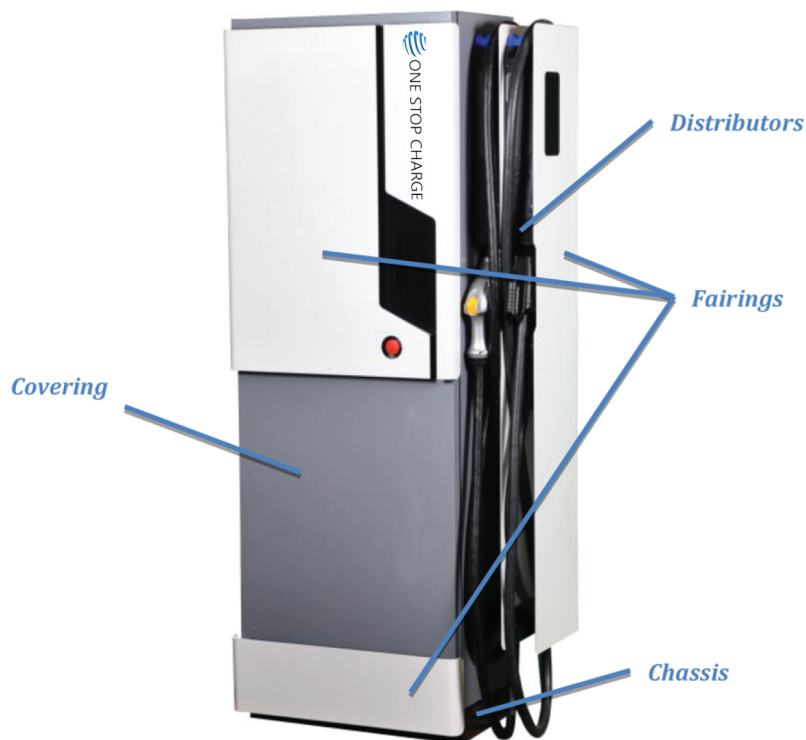
Models	CHA	CCS	CCS + CHA	CCS + CHA + T2 CABLE	CCS + CHA + T2 SOCKET
Required power supply capacity	54 kVA	54 kVA	54 kVA	54 kVA	54 kVA
Nominal AC input current	77 A	77 A	77 A	77 A	77 A
Maximum output power	DC: 50 kW	DC: 50 kW	DC: 50 kW	DC: 50 kW AC: 43 kW	DC: 50 kW AC: 22 kW
Maximum output current	DC: 120 A	DC: 120 A	DC: 120 A	DC: 120 A AC: 63 A	DC: 120 A AC: 32 A
Output voltage range	DC: 50 - 500 V	DC: 50 - 500 V	DC: 50 - 500 V	DC: 50 - 500 V	DC: 50 - 500 V
Number of plugs	1	1	2	3	3
Connections	JEVS G105	CCS2	CCS2 - JEVS G105	CCS2 - JEVS G105 Type 2 cable	CCS2 - JEVS G105 Type 2 socket
					
QuickCharger 50 kW	✓	✓	✓	✓	✓
QC + 1 x UU	✓	✓	✓	✓	✓

10 Personalisation of the terminal

10.1 Colours

The standard colours of the terminal are:

- Covering: RAL 7046 smooth satin (gray)
- Chassis + distributors + some fairing parts: RAL 9011 smooth gloss (black) =
- Fairings: RAL 9016 frosted satin (white)



Only the colour of the covering is customisable among the RAL colour chart. This customisation (reference RALxxxx) will result in additional costs.

10.2 Marking

Several locations on the kiosk are customisable to receive information stickers and commercial stickers:

- Location 1: A2 size sticker (dimensions 40 X 65 cm) presenting the customer journey and other useful information for the service.
- Locations 2 and 3: Commercial Stickers (dimensions 100 x 20 cm)
- Location 4: Commercial stickers (2 areas of dimensions 140 X 25 cm)

ZONE 1: 400 X 650
mm
ZONE 2: 100 X 200
mm



The stickers can be provided by EVTRONIC under the references:

- Zone 1: A004352;
- Zone 2: A004353;
- Zone 3: A004354;
- Zone 4: A004355.

10.3 Dynamic billboard

The terminal can accommodate (G2 configuration) a screen to broadcast various information such as advertising, information, announcements etc.

The screen is integrated onto the front of the terminal:



Digital Billboard (screen)

Main features:

- Dimension: Approx. 21"
- Resolution: 1920 (V) X 1080 (H)
- Contrast: 3000:1
- Brightness: 1000cd/m2

Diagram21: Digital Billboard (G2 configuration)



ONE STOP CHARGE