

# RANGE XT80/160

## Ultra-fast charging station for the public sector

- **High charging speed, highly efficient charging for two vehicles simultaneously.** Over 96% efficiency, reducing overall operating costs: save > 3000CHF per year per station.\*
- **Scalable solution.** From 80kW to 160kW. On-site upgrade from 80kW to 160kW in increments of 20kW at any time.
- **Unique all-in-one design.** Everything is included in one single compact unit. No external cabinet for a DC converter needed.

\*for 64 electric cars charging each day - 100km in 8 minutes on the RANGE XT160 compared to a charger with 93% efficiency.



## RANGE XT80/160 is particularly suited to

✓ Public parking

✓ Interstate highway gas stations

### Compact footprint

The first of its kind, all-in-one design DC charger. No external cabinet needed.

### Low standby consumption

Save energy even when the charger is not in use.

### Multichannel payment system

SMS, iOS or Android apps, Scan & Charge and more.

### 10" color display

Allows you to put your own branding on its large color screen.

### Tailored to your needs

Integrated CCS and/ or CHAdeMO plugs; DC power available from 80kW to 160kW.

### Best charging experience

With integrated cable and plugs. Easy to use: plug, charge & drive.

## Single all-in-one design that you can upgrade from 80kW up to 160kW

Start at 80 kW. Upgrade the same design later to 80, 100 or up to 160kW at any time in increments of 20kW, without having to update your equipment or pay for additional civil engineering work. RANGE XT80/160 is a scalable charging solution.



### Power input

#### DC RANGE XT EV CHARGER

Input voltage	3 x 400V <sub>AC</sub> 50Hz
Input current	3 x 120A <sub>rms</sub> (80kW) 3 x 155A <sub>rms</sub> (100kW) 3 x 185A <sub>rms</sub> (120kW) 3 x 212A <sub>rms</sub> (140kW) 3 x 242A <sub>rms</sub> (160kW)
Power factor	< 0.99
Standby consumption	< 100W

### Power output

Output power	From 80kW to 160kW (upgradable from 80kW to 160kW in increments of 20kW)
Output voltage	Output voltage 500V <sub>DC</sub>
Output current 80 kW	200 A <sub>DC</sub> for CCS / 200 A <sub>DC</sub> for CHAdeMO
Output current 160 kW	400 A <sub>DC</sub> for CCS / 200 A <sub>DC</sub> for CHAdeMO
Output type	CCS cable and CHAdeMO cable
Efficiency	< 96%
Simultaneous charging	2 (DC)

### User interface & control

User interface	Button, charge status indicator, 10-inch touch screen display
Mobile phone app	iOS and Android (online charging station)
Control of access	RFID, App, SMS, Scan & Charge, SMS and Swisspass
Network interface	Ethernet cable; 3G/4G/ 5G
Remote management	Software management system (eMobility Cockpit)(online)

### Environmental

Operating temperature	-25°C to 45°C
Altitude	Up to 2,000m (6,500 ft.)
Setting	Floor mount
Humidity	< 95% relative humidity

### Mechanical

Dimensions	1902 x 2200 x 1017mm
Weight	980 kg for 160kW version
Housing material	Stainless steel
Fan cooling	Fan cooling
Cable length	5 meters (16.5 ft.)

### Regulation

Conformity	IEC 61851-1
Protection rating	IP54
Communication protocol	OCPP 1.6J
Bidirectional	V2G ready
Protection	Over current, under voltage, over voltage, residual current, surge protection, short circuit, over temperature, ground fault, galvanically insulated