



NON-CONTRACTUAL PICTURES | DOC. VERSION 20191220

RANGE XT 40/160

SWISS
QUALITY 

Ultra-fast charging station for the public-sector

- **Ultra-fast charging speed, high efficiency.** Efficiency higher than 96% reducing the overall operating cost: low standby consumption.
- **Scalable solution.** From 40 kW to 160 kW. On site upgrade from 40 kW to 160 kW possible anytime by step of 20kW.
- **Unique all-in-one design.** Everything is included in one single compact unit. No external cabinet for DC converter needed.
- **Multiple charge points.** 2 simultaneous DC charging sessions and extendable with AC charging points.

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green motion™



RANGEX T 40/160

At the cutting edge of technology and dedicated to public use, it is characterized by its ultra-fast charging speed and its very high efficiency thus allowing low conversion.



TECHNICAL SPECIFICATIONS

POWER INPUT		DC RANGE XT EV CHARGER	
Input voltage	3 x 400 V _{AC} 50 Hz		
Input current	3 x 60 A _{rms} (40 kW)	3 x 185 A _{rms} (120 kW)	
	3 x 90 A _{rms} (60 kW)	3 x 212 A _{rms} (140 kW)	
	3 x 120 A _{rms} (80 kW)	3 x 242 A _{rms} (160 kW)	
	3 x 155 A _{rms} (100 kW)		
Power factor	> 0.99		
Standby-consumption	< 50 W		
POWER OUTPUT			
Output power	From 40 to 160 kW (upgradable from 40 kW to 160 kW by steps of 20 kW)		
Output voltage	500 V _{DC} (extendable to 1000V _{DC})		
Output current	From 125 A _{DC} to 400 A _{DC}		
DC output type	CCS cable and CHAdeMO cable (alternatively, 2 x CCS and 2 x CHAdeMO)		
AC output type	Extendable with Private One charging stations (Type 1 and Type 2 cables)		
Efficiency	> 96%		
Simultaneous charges	2 (DC charge), extendable with AC charging stations		
Power management	Dynamic load balancing between all charging points (according to protocol ISO 15118)		
USER INTERFACE & CONTROL			
User interface	Charge status indicator, 10-inch touch screen display		
Mobile phone app	iOS and Android		
Control of access	RFID, Mobile app, Credit and debit card NFC, Apple pay, SMS and Park ticket		
Network interface	Ethernet cable; 4G or 5G		
Remote management	Software management system (eMobility Cockpit)		
ENVIRONMENTAL			
Operating temperature	-25 °C to 50 °C		
Altitude	Up to 2000 m (6500 ft.)		
Setting	Indoor or outdoor		
Humidity	<95% relative humidity		
MECHANICAL			
Dimensions	1350 x 1950 x 640 mm		
Weight	From 280 kg to 380 kg		
Housing Material	Stainless steel		
Housing properties	Anti-graffiti coating, vandalism proof		
Cooling	Fan cooling		
Cable CCS-2	400A liquid cooled		
Cable CHAdeMO	200A CHAdeMO cable		
Cable length	5 meters (16.5 ft.)		
REGULATION			
Conformity	IEC 61851-1		
Protection rating	IP54		
Communication protocol	OCPP 1.6J		
Bidirectional	V2G ready		
Protection	Insulation monitoring device (IMD), galvanically insulated		

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