



# 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.



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# RANGEXT 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 <sub>Ac</sub> 50 Hz		
Input current	3 x 60 A <sub>rms</sub> (40 kW) 3 x 90 A <sub>rms</sub> (60 kW) 3 x 120 A <sub>rms</sub> (80 kW)	3 x 155 A <sub>rms</sub> (100 kW) 3 x 185 A <sub>rms</sub> (120 kW) 3 x 212 A <sub>rms</sub> (140 kW)	3 x 242 A <sub>rms</sub> (160 kW)
Power factor	> 0.99		
Standby-consumption	< 300 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 <sub>Dc</sub> (extendable to 1000V <sub>Dc</sub> )		
Output current	From 125 A <sub>Dc</sub> to 400 A <sub>Dc</sub>		
DC output type	CCS cable and CHAdeMO cable (alternatively, 2 x CCS and 2 x CHAdeMO), CCS 400A / CHAdeMO 200A		
Efficiency	> 96%		
Simultaneous charges	2 (DC charge)		
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; 3G/4G		
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	2200 x 1900 x 1010 mm		
Weight	≈ 600 kg		
Housing Material	Stainless steel		
Housing properties	Anti-graffiti coating, vandalism proof		
Cooling	Fan cooling		
Cable CCS-2	400 A		
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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