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.
**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>POWER INPUT</th>
<th>DC RANGE AT EV CHARGER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input voltage</td>
<td>3 x 400 V (50 Hz)</td>
</tr>
<tr>
<td>Input current</td>
<td>3 x 60 A rms (40 kW)</td>
</tr>
<tr>
<td>Power factor</td>
<td>&gt; 0.99</td>
</tr>
<tr>
<td>Standby consumption</td>
<td>&lt; 300 W</td>
</tr>
<tr>
<td>Output power</td>
<td>From 40 to 160 kW (upgradable from 40 kW to 160 kW by steps of 20 kW)</td>
</tr>
<tr>
<td>Output voltage</td>
<td>500 V DC (extendable to 1000 V DC)</td>
</tr>
<tr>
<td>DC output type</td>
<td>CCS cable and CHAdeMO cable (alternatively, 2 x CCS and 2 x CHAdeMO), CCS 400A / CHAdeMO 200A</td>
</tr>
<tr>
<td>Efficiency</td>
<td>&gt; 96%</td>
</tr>
<tr>
<td>Simultaneous charges</td>
<td>2 (DC charge)</td>
</tr>
</tbody>
</table>

**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: 400 A
- Cable CHAdeMO: 200 A 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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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.