

DESCRIPTION

ORCA Mobile is the ONLY Portable 50 kW DC Fast Charging Station for CCS/SAE or CHAdeMO EVs on the market. Designed in Italy and proudly manufactured in the USA.

BENEFITS

- Plug in and charge!
- NO additional installation costs.
- Compact form factor enables easy transportation.
- Charges an EV from 0% to 80% in 25 minutes⁽¹⁾.
- Perfect for commercial and industrial use.

• andromeda

ORCA Mobile

CCS/SAE or CHAdeMO Portable Fast Charger for Electric Vehicles

Choice of Power Input Configurations (Factory Configured)

| PI | Power Input Type | Power Input Wires | Power Input Voltage (V) | Max Input Current (A) | Max Input Power (kW) | Max Output Power (kW) |
|-------------------|---------------------|-------------------|-------------------------|-----------------------|----------------------|-----------------------|
| 01 | DC | (+), (-), Earth | 250-350 | 222 | 56 | 50 |
| 02 ⁽³⁾ | DC | (+), (-), Earth | 350-600 | 154 | 54 ⁽⁴⁾ | 50 |
| 03 | DC | (+), (-), Earth | 500-900 | 108 | 54 | 50 |
| 04 | AC ^(2,5) | 3-phase, Earth | 480 | 63 | 54 | 50 |
| 05 | AC ^(2,5) | 3-phase, Earth | 400 | 76 | 53 | 50 |
| 06 | AC ⁽²⁾ | 1-phase, Earth | 240 | 88 110 | 21 26 | 20 25 |
| 07 | AC ^(2,5) | 3-phase, Earth | 208-240 | 148 | 53 | 50 |

⁽²⁾ AC frequency can be 50 or 60 Hz.

⁽³⁾ Solar panel application. PV nominal power without solar tracker should be at least twice the max input power⁽⁴⁾ for stable operation under any sunshine condition.

⁽⁵⁾ Setup complies with CHAdeMO[®] standard.



FEATURES

- Modern Italian design with sleek stainless steel enclosure.
- Portable fast charger for CHAdeMO[®] EVs.
- Charges 0% to 80% in 25 minutes⁽¹⁾.
- 15" LCD color display.
- Maximum output power: 50 kW, 500 V, 125 A.
- Efficiency: 95% @ 50 kW.
- User-friendly interface on any Wi-Fi connected device.
- Simple "Start" and "Stop" button operation.
- Flexible power input hardware to easily accommodate to local electric service capabilities.
- Integrated breakers for main and auxiliary circuits.
- Ingress protection / NEMA[®] type: IP14 / 3R.
- Dimensions W x D x H: 25" x 16" x 40" (63 x 40 x 100 cm).
- Weight: from 216 lbs (98 kg).
- CCS/SAE standards: DIN SPEC 70121:2014-12 ISO 15118-2.
- CHAdeMO[®] standards: 0.9 and 1.0.

OPTIONS

- Flexible range of input power (AC or DC, see table).
- OpenADR (for Automatic Demand Response).
- ORCA NET for remote 24/7 monitor, access control, maintenance.
- Communication: Wireless IEEE 802.11g, 3G/4G, or Ethernet.
- Smartphone app to control/monitor charging.
- Cable lengths: 4, 6, 7.5 or 9 m (13, 20, 25, or 30 ft).

⁽¹⁾ 25 kWh EV battery.