DESCRIPTION

ORCA Air is a customizable charger for SAE J1772 (DC or AC) and/or CHAdeMO compatible Electric Vehicles. Designed in Italy.

BENEFITS

- Expanded vehicle compatibility.
- Charges up to 17 times faster than plugging into a standard (110 Volt) home outlet(1).
- Compact form factor and graceful visual impact.
- Versatile applications include locations wired for either 208 or 240 voltage, and/or solar panels.

ORCA Air

SAE J1772 or CHAdeMO Indoor Charger for Electric Vehicles (EVs)

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 default input. PV nominal power without solar tracker should be at least twice the max input power(4) for max power operation 9am-4pm. (5) Setup complies with CHAdeMO certification. Charger enclosure can be with customized shape and material. Rendering shows standard design.

FEATURES

- Solar panel input power.
- SAE J1772 Combo (AC and/or DC) compliant.
- CHAdeMO certified.
- Charges 0% to 80% in 25 minutes(1).
- Modern Italian design with sleek stainless steel enclosure.
- User-friendly interface with LED color display.
- DC maximum output power: 50 kW, 500 V, 125 A.
- DC efficiency: 95% at 50 kW.
- 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.
- Indoor application.
- Standard size (WxDxH): 16x14x60 in (40x35x150 cm).

OPTIONS

- Flexible range of input power (AC or DC, see table).
- Embedded ORCA-EDM (Energy Demand Management).
- ORCA-NET for remote upgrade and maintenance.
- Open Smart Charging Protocol (OSCP) for back office operation.
- Open Charge Point Protocol (OCPP) for interoperability.
- Remotely controllable via third-party software control system.
- Communication: Wireless IEEE 802.11g, 4G, or Ethernet.
- Smartphone app to control/monitor charging.
- Cable lengths: 4, 6, 8 or 10 m (15, 20, 25, or 30 ft).

(1) DC option: charges an EV (25 kWh battery) from 0% to 80% in 25 minutes.

Andromeda Power is a member of CHAdeMO.

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