

DESCRIPTION

ORCA Air is the ONLY Solar-to-Vehicle Fast Charging Station (50 kW) on the market. It charges EVs with CHAdeMO and/or CCS connector and it is supplied from Solar Panels (DC) and/or Grid (AC).

BENEFITS

- Drive on Sunshine!
- Compact form factor all-weather enclosure.
- Charges an EV from 0% to 80% in 25 minutes⁽¹⁾.
- Easy to be integrated in existing Photovoltaic plants.
- Outstanding value for the money.

• andromeda

ORCA Air Secure

CHAdeMO or CCS Solar-to-Vehicle Fast Charger for Electric Vehicles

GENERAL DESCRIPTION

ORCA Air Secure is a fast charging station for all EVs with CHAdeMO and/or CCS (Combo) charging standard compliance. Its robust NEMA 3R enclosure makes it a perfect solution for unattended installations.

ORCA Air Secure delivers up to 50 kW to the EVs. It can be customized with single or dual DC output ports. It embeds a simple user interface with authentication and payment options with stand alone and network operation.

It accepts AC from the Grid and DC from Solar Panels implementing Max Power Peak Tracking adapting the charging power to the available sunshine.



FEATURES

- DC Input from Solar Panels and AC from Grid.
- Compact, robust NEMA 3R enclosure.
- CCS Combo compliant.
- CHAdeMO certified.
- Fast charge 0% to 20% in 5 minutes⁽¹⁾.
- 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.
- Dimensions WxDxH: 29 x 19.7 x 47 in (63.5 x 50.0 x 119.3 cm).

- Weight: from 365 lbs (165 kg).
- Up to 9 m (30 ft) charging cable.

OPTIONS

- Enclosure: stainless steel or painted steel.
- Flexible range of auxiliary input power (DC and/or AC).
- Embedded ORCA-VEN (for Energy Demand Management).
- Networked by InCISIVE ORCA-NET.
- Remotely controllable via OCPP 1.6, OpenADR 2.0b, and MODBUS/IP.
- Communication: Wireless IEEE 802.11g, 4G, or Ethernet.
- Smartphone app to control/monitor charging.

⁽¹⁾ 25 KWh EV battery. Andromeda Power is a member of CHAdeMO

