

DOCKETED

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LUCID

CEC Workshop on ISO15118



EV Technology Company

HQ in Silicon Valley

Factory in Arizona

~2700 Employees

Lucid AIR, a Luxury EV

Up to 520 miles EPA range, up to 1111hp

Battery Size up to 113kWh

AC & DC bi-directional capability



Customer deliveries 10/30/2021

Lucid's on-board charger (OBC) technology is cutting-edge and multifunctional.

- AC charge/discharge rate: up to 80A/19.2kW
- High power 800V DC charging at >300kW
- Supports ISO11158 & CCS communications
- Compact, light-weight and cost effective

Seamless charging using Plug&Charge

- 3 years of complimentary charging on Electrify America network for Lucid Air ordered in U.S. in 2021.
- Lucid and Electrify America integrating cloud-to-cloud to enable authentication via ISO15118 Plug&Charge on 2,800+ chargers



The Lucid Connected Home Charging Station

- Wall-mounted, hardwired EVSE capable of **up to 19.2kW** (1-phase, 80A, 240V) in NA
- Hardware-ready for bi-directional charging (V2H, V2G)
- Supports ISO15118 communication
- **Launching in early 2022**



- Desire to support Plug&Charge functionality leads light-duty EV OEMs to include ISO15118 in their current and upcoming vehicle programs.
- In response, EVSE manufacturers are opting to add ISO15118 PLC to their devices for low marginal hardware costs and thereby enable future smart charging use cases.
- Vehicles, as large, controllable loads need communication path to the residential energy ecosystem – leveraging ISO15118 communication to the EVSE provides for this with a mature, open standard



Reserve your Lucid Air

Thank you!

