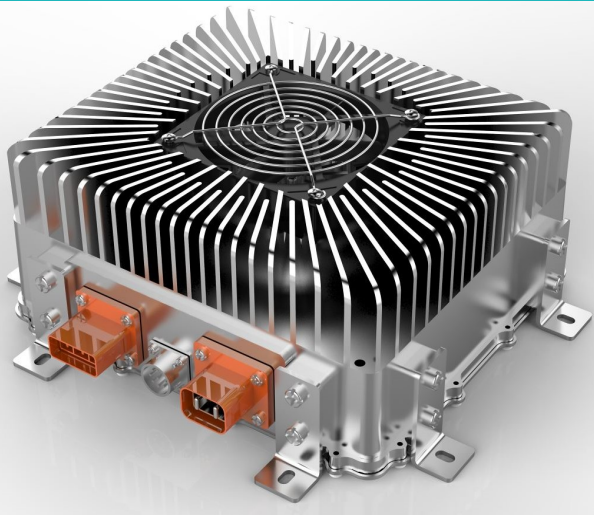


EV ON-BOARD CHARGER

MODEL CAD332DF-400A

3.3KW

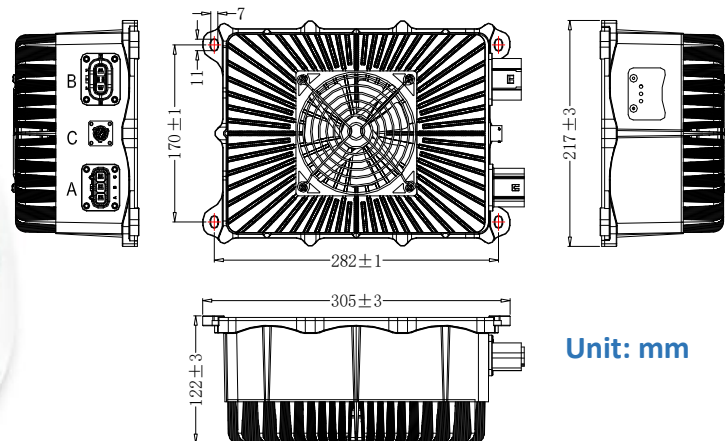
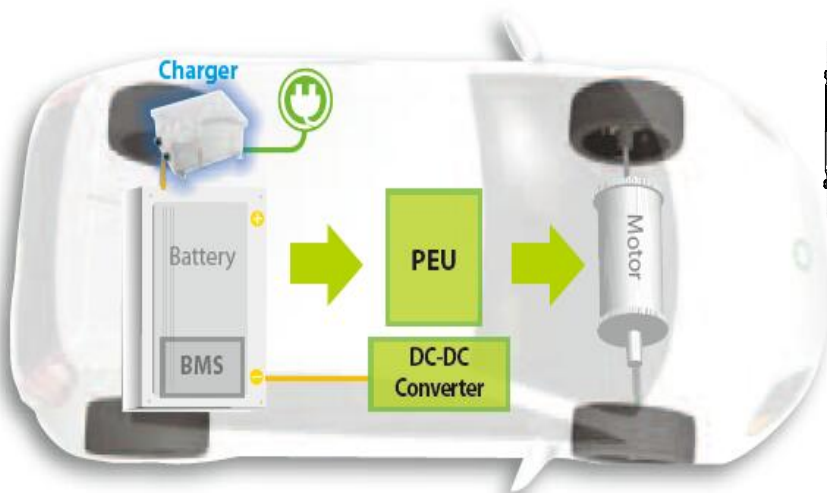


CAD332DF-400A on-board charger series is designed for electric vehicle battery charging with demand for efficiency, robustness and safety. The electrical input voltage for CAD332DF-400A ranges from AC 85~265V, making it an ideal selection for worldwide usage. Its high-efficiency performance makes the charging more economical.

CAD332DF-400A provides intelligent charging mode which adjusts the voltage in CC/CV/cut off automatically. It also features short-circuit, over voltage, over current and over temperature protections under charging. The CAN-bus interface delivers message with charging flow, interlock connection, and any disconnection or error message to VCU (Vehicle Control Unit) via BMS (Battery Management System). CAD332DF-400A charger series is in compliance with SAE J1772 and IEC 61851 to meet international standard, and with IP 67 for critical operating environment.

KEY FEATURES

- Output power 3.3KW
- Bi-directional: V2G
- Universal input voltage/application
- CAN-bus communication
- Designed for EV onboard use
- Compliance with SAE J1772 / IEC 61851
- IEC 1000 Standard/IP67
- Intelligent charging mode
- Input/output protection
- Power status indicator



CAD332DF-400A SPECIFICATIONS

| Item | Specifications |
|--|---|
| Output | |
| Output Power | 3.3KW |
| Nominal Voltage Range | 200-420Vdc |
| Output Current | 0-10A |
| Aux Output | 13.8Vdc; 100W |
| Input | |
| Operating Input Range | 85-265Vac |
| Phase | Single Phase |
| Maximum Input Current | 16A |
| Frequency Range | 50/60Hz |
| Power Factor | ≥ 0.98 |
| Efficiency | $\geq 94\%$ |
| Mechanical | |
| Cooling | Air-cooling |
| Dimension | 305x217x122mm; 12x8.5x4.8" |
| Weight | 4kg; 8.8lbs |
| Operating Temperature | - 40~60°C |
| Operating Ambient Temperature | - 40~75°C |
| Storage Temperature | - 40~95°C |
| Relative Humidity (non-condensing) | $\geq 85\%$ |
| Attitude | $\leq 2000m$ |
| Regulation | |
| Environment | IP67, IEC60068, CNS15454 |
| Communication | SAE J1772, IEC61851 |
| Emission | IEC 1000/IEC 801-2,3,4/IEC 255-4 |
| Communication | |
| Interface | CAN BUS |
| Protection | |
| Input Protection | Surge protection |
| | Short circuit protection |
| | Over voltage protection |
| | Under voltage protection |
| | Input Fuse over current protection |
| Output Protection | Short circuit protection |
| | Over load protection |
| | Reverse priority protection |
| | Over voltage protection |
| | Over temperature protection |
| | Current limit protection |
| Output fuse over current protection | |
| Operation | |
| Yellow LED Light On | In Charging |
| Green LED Light On | Charge Completed |
| Red LED Light On | Battery Connected Error |
| Red&Yellow&Green LED Lights On | Prohibit Charging |
| Red&Yellow LED Lights Flickering | CAN Communication Un-connected |
| Red&Yellow&Green LED Lights Flickering | Other Faults (over voltage, over load etc) |
| Others | |
| Microprocessor Control | Self-diagnostic, internal parameters monitoring |
| Control Loop | Voltage and current dual control loop |

Ovar Clean Energy Technology Co., Ltd

302 Building 5, Chuangwei Innovation Valley, Shiyan Town,
Shenzhen, Guangdong Province, China

www.ovartech.com

ovarcharger@hotmail.com