

TRI AC/DC QUICKCHARGE EVAD-142KW



FEATURES

- Featured with dual technology allowing simultaneous charging in DC and AC.
- Supports CCS 2 combo, CHAdcMO and CCS 2 AC functionality
- Features in three outlets: a 60 kW DC ports (European standard), a 60 kW DC ports (Japanese standard) and a 22 kW AC port (European standard)
- High efficiency, high power factor, low input harmonic current, no need for additional reactive power compensation and harmonic suppression equipment
- Hot-swap modular design, easy maintenance
- Daylight readable 7" touch screen display
- EV standards: IEC 62196, IEC 61851, JEVS G105

The **Tri AC/DC QUICKCHARGE EVAD-142kW** is an outdoor integrated multi-standard charging station. It is featured with dual technology allowing simultaneous charging in DC and AC. It delivers a total of 142 kW power continuously including a 60 kW DC output power (EU standard charging plug), a 60 kW DC output power (JP standard charging plug) and a 22 kW AC output power (EU standard charging plug). It is ideally suited for medium or large parking lots and highway petrol/service station.

TECHNICAL DATA

| MODEL | | EVAD-142kW |
|-------------------------------------|-------------------------------|--|
| INPUT | | |
| Input voltage | | 415 Vac ± 10% (three-phase five-wire: L1, L2, L3, N, PE) |
| Input frequency | | 50 Hz ± 5 |
| THD | | ≤ 5% of nominal voltage |
| Power factor | | ≥ 0.99 (full load) |
| OUTPUT | | |
| Charger power rating | | 142 kW (22 kW CCS + 60 kW CCS and 60 kW CHAdeMO) |
| Output voltage | | 200 - 1000 Vdc |
| Efficiency | | ≥ 95 % |
| CHARGING CONFIGURATION AND STANDARD | | |
| Number of charging plugs | | 3 |
| Charging cable length | | 5 m |
| Charging protocols | Between EV Charger and EV | CHAdeMO whereas PLC Communication for CCS 2 OCPP v 1.6 or above-10/100 Base-T Ethernet (Standard) / Optical GSM Modem (2G/3G/4G) or Wireless |
| | Between EV and Central Server | |
| Standards | | IEC 62196, IEC 61851, JEVS G105 |
| Internal battery back-up | | Battery back-up for minimum 2 hours for the control system and billing unit. Data log should be synchronized with CMS during back up time , in case battery drains out |
| OTHERS | | |
| Display | | 7" TFT LCD Touch Screen |
| Payment | | Smart Card/QR/OTP/App Server Based Online |
| Operating temperature | | -20°C ~ + 55°C |
| Storage temperature | | -40°C ~ + 80°C |
| Relative humidity | | 0 to 95% (non-Condensing) |
| Altitude | | Up to 2000 m |
| IP rating | | IP 54 |
| Dimensions (W×D×H) (mm) | | 600×800×1800 |
| Net weight (kg) | | 300 |
| Packaged dimensions (W×D×H) (mm) | | 900×1000×2100 |
| Gross weight (kg) | | 325 |

• All specifications are subject to change without notice.