

# EVDC40

## 40kW DC EV Charger

Wall or Pedestal Mounted DC Fast Charger

*For commercial sites, fleets and BESS-integrated projects*



### Key Benefits

- **40kW DC Fast Charging:** Compact solution for commercial and fleet applications
- **Single or Dual CCS2 Output:** Up to 40kW via one plug, or 40kW shared across two plugs.
- **Smart Connectivity:** OCPP 1.6J with Ethernet, 4G and WiFi connectivity
- **Integrated UI:** 7-inch LCD touch screen, LED indicator, RFID/card access and emergency stop
- **Outdoor Ready:** IP55-rated enclosure suitable for indoor and outdoor installation
- **High Efficiency:**  $\geq 95\%$  conversion efficiency with low standby consumption
- **Built-In Protection:** Multiple protection systems for reliable and safe operation

### Why Choose EVDC40?

**Commercial Charging Ready:** A compact 40kW DC charger suited to workplaces, depots, commercial sites, visitor parking and fleet charging applications.

**Smart Site Integration:** OCPP 1.6J support allows connection to compatible charging management platforms for monitoring, access control and operational visibility.

**Reliable DC Performance:** High-efficiency power conversion and forced-air cooling support stable charging performance in demanding environments.

**Safety-Focused Design:** Integrated protection features, emergency stop, fault monitoring and user interface support safe operation for users and vehicles.

### Installation & Support

- Integrated, wall-mounted or pedestal installation options available
- Suitable for indoor or outdoor installation
- PAX can support charger selection, site assessment and integration with BESS projects
- 24-month warranty within Australia. Terms and conditions apply



| Model                                  | EVDC40-S  | EVDC40-D                          |
|--|---|-----------------------------------|
| <b>Charging Output</b>                 |   |                                   |
| Rated DC Output Power (kW)             | 40  | 40*                               |
| Charging Outlets                       | 1 x CCS2  | 2 x CCS2                          |
| Cable length                           | 1 x 5m  | 2 x 5m                            |
| Output Voltage Range (Vdc)             | 150-1000  |                                   |
| Output Current (A)                     | 0 - 133   |                                   |
| <b>AC Data</b>                         |   |                                   |
| Rated AC input voltage (Vac)           | 380-415 / 3P+N+PE   |                                   |
| Rated AC input current (Aac)           | 68  |                                   |
| Power Factor                           | ≥0.99 at full load  |                                   |
| Efficiency                             | ≥ 95%   |                                   |
| Standby Power Consumption (W)          | ≤15   | ≤20                               |
| <b>Monitoring and Control</b>          |   |                                   |
| OCPP                                   | OCPP 1.6J   |                                   |
| Network Interface                      | WiFi / LAN / 4G   |                                   |
| Screen                                 | 7-inch LCD touch screen   |                                   |
| User Interface                         | LED Indicator, RFID Card Access, Emergency Stop Button  |                                   |
| RFID Cards                             | 2 cards included  |                                   |
| <b>Protection &amp; Certifications</b> |   |                                   |
| Standards / Certifications             | EN IEC 61851-1: 2019, IEC 61851-1: 2017, EN 61851-23: 2014, IEC 61851-23: 2014, EN 61851-24: 2014, IEC 61851-24: 2014, EN IEC 61000-6-2: 2019, EN IEC 61000-6-4:2019, EN IEC 61851-21-2: 2021 |                                   |
| Electrical Protection                  | Over/Under Voltage Protection, Overload Protection, Current Leakage Protection, Grounding Protection, Over Temp Protection, Lightning Surge Protection.                                       |                                   |
| <b>General Data</b>                    |   |                                   |
| Installation                           | Wall mounted, optional pedestal, or PAX BESS-integrated configuration   | Wall mounted or optional pedestal |
| Ingress Protection Rating (IP)         | IP55  |                                   |
| Operating Temperature Range            | -30°C to +50°C  |                                   |
| Operating Humidity Range               | 5%–95%  |                                   |
| Cooling                                | Active Ventilation  |                                   |
| System Dimensions (mm)                 | 450W x 250D x 850H  | 735W x 325D x 700H                |
| Weight (kg)                            | ≤80   | ≤140                              |
| Warranty                               | 24-month warranty. Terms and conditions apply.  |                                   |

**Note:** EVDC40-D has two CCS2 outlets with 40kW total available DC output.

When one vehicle is charging, either outlet can deliver up to 40kW.

When two vehicles are charging, output is shared across both outlets up to a combined maximum of 40kW.

