



Products

Energise the Revolution

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D3 BIEVC | eLumina

AUSTRALIA'S FIRST BATTERY-INTEGRATED EV CHARGER (BIEVC) DESIGNED IN AUSTRALIA FOR THE COUNTRY'S UNIQUE ENERGY AND ENVIRONMENTAL CONDITIONS.

Key Features

- **Ultra-fast charging:** Delivering up to 200kW charging with maximum 35kW grid input.
- **Advanced B2G and B2L capabilities:** Capable of sending energy back to the grid or load.

Specifications / Features

The D3 BIEVC is engineered with full liquid cooling, off-grid support, and a modular all-in-one design suitable for both urban and remote regions.

- Maximum 35kW grid input for up to 200kW charging power for a single vehicle or shared between 2 vehicles.
- Built-in 175kWh 1P battery for faster charge and discharge.
- Combines PV input, energy storage (ESS), EV charging, and advanced B2G (Battery-to-Grid) and B2L (Battery-to-Load) capabilities in a single compact system.
- Full liquid cooling for optimal performance, low maintenance, and system longevity.
- Optional 40kW solar PV MPPT DC input power module for on-site renewable integration.

Case Studies

eLumina shares recent projects delivered with partners and customers using its products and solutions.

D3 Datasheet



D2/D2+ Fast Charger | eLumina

POWERFUL FAST CHARGING FOR EVS

Powerful DC fast chargers designed for outdoor use in both urban and regional settings.

Key Features

- **Optimised Efficiency:** The embedded dynamic power allocation system ensures efficient and stable output.
- **Dual Charging:** Able to charge two vehicles simultaneously, for maximised output and reduced charging times.

The D2/D2+ Fast Charger is a reliable and scalable solution for commercial, fleet, and public charging networks.

- Delivers up to 360 kW with dynamic power allocation
- Dual connectors can simultaneously charge two vehicles
- Suited for current and next generation EVs
- IP55-rated design ensures durability in extreme conditions
- D2+ supports CCS2 and optional CHAdeMO connectors
- Industry-leading cybersecurity and functional safety
- Ongoing servicing and maintenance through cloud platform and local maintenance team
- OCPP 1.6J compatible

Case Studies

D2/D2+ Fast Charger Case Studies.

D2 Plus Datasheet

D2 Datasheet



DS400 Satellite BIEVC | eLumina

BATTERY-INTEGRATED EV CHARGING SOLUTION

The DS400 is a powerful DC charger unit with a built-in 350 kWh battery that makes it easy to set up an ultra-fast EV charging hub anywhere, without the need for a grid upgrade.

Key Features

- **Grid-friendly charging:** Provides 400 kW output with less than 70 kW draw on the grid.
- **Scalable design:** Supports future expansion thanks to a modular design.

The DS400 is a powerful DC charger unit with a built-in 350 kWh battery delivering up to 400 kW charging power through a compact and easily installed unit, even in remote locations or where grid supply is unreliable.

- Liquid-cooled LFP (lithium ferrophosphate) battery reduces the load on the grid.
- Intelligent EMS Management supports both on-grid and off-grid operations.
- Optional bidirectional DC power modules for grid support (B2L, B2G).
- Supports up to 3 satellites / 6 charging connectors.
- Modular and scalable design supports future expansion.
- Built-in dynamic load management for power sharing between vehicles.



Case Studies

Highlighting recent
eLumina deployments.



DS400 Datasheet



L233C BESS | eLumina

INDUSTRIAL BATTERY ENERGY STORAGE SYSTEM (BESS).

A 100kW/233kWh liquid-cooled, all-in-one commercial and industrial Battery Energy Storage System integrated with an inverter, battery, BMS, EMS, thermal management, power distribution and fire protection systems.

Key Features

- **Liquid Cooling:** Provides exceptional safety and thermal stability, ensuring reliability in harsh conditions.
- **Scalable Design:** Multiple cabinet sets can be connected in parallel to expand the ESS capacity.

The L233C delivers efficient renewable integration, smart monitoring, reliable backup, liquid cooling and easy installation.

- Intelligent liquid cooling maintains battery cell temperature deviation within 3°C and can improve battery cell lifetime by 20%.
- Highly integrated Energy Storage System (ESS) for easier transportation and operations & maintenance.
- Integrated design enables quick site installation.
- Four-level management structure providing protection against short circuits, overcurrent, overvoltage, undervoltage and overtemperature conditions.
- Modular and scalable design suitable for a wide range of applications.

Case Studies

Battery Energy Storage System (BESS) deployments delivered by eLumina and its partners.

L233C Data-Sheet





Get in touch

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