

D1

BIEVC

**Battery Integrated EV
Charging Solution**

Energise the Revolution

Address: 1 Warehouse Circuit, Yatala, QLD 4207, Australia

Website: www.eluminaglobal.com

Email: info@eluminaglobal.com

D1: BIEVC Battery Integrated EV Charging Solution

The eLumina D1 Battery Integrated EV Charger (BIEVC) is an ultra-fast electric vehicle charger that combines an energy storage system with a built-in lithium-ion battery module. This integrated 193 kWh battery enables the unit to deliver an output power of up to 204 kW, even with an input power range of just 10 to 40 kW.

Designed for broad compatibility, the eLumina D1 suits most applications and requires minimal environmental conditions for operation.



Product highlights

- Equipped for simultaneous dual-vehicle charging with two charging connectors
- Delivers up to 204 kW EV of combined charging output from just 10–40 kW input power
- Up to 160 kW output for fast single-vehicle charging
- Integrated 193 kWh liquid-cooled battery system
- The original rapid EV charging solution that is designed for sites with limited or unstable power supply
- Designed for fast installation and easy relocation to meet evolving requirements
- Engineered with exceptional build quality to withstand Australia's harsh conditions

D1 BIEVC Data Sheet

Energy Storage	
Battery Chemistry	Lithium-ion (LFP)
Energy Storage Capacity	193 kWh
Cooling and Heating Medium	Liquid cooled, supported by an onboard refrigeration system
Electrical Specifications (Infeed)	
Rated 3-phase Infeed Voltage	400 Vac
Rated 3-phase Infeed Current	63 A
Rated Frequency	50 Hz
AC Supplementary Power	40 kW
Electrical Specifications (Output)	
Supported Connector Type	CCS2
Number of Charge Cables/Connectors	2
Max. Output of Two DC Connectors	204 kW with grid power on (first EV connected has priority output at 120 kW)
Max. Output of A Single DC Connector	160 kW with grid power on, or 120 kW with grid power off
DC Charging Voltage Platform Voltage	200 Vdc to 920 Vdc
DC Charging Distribution	Flexible allocation
Mechanical Specifications	
Dimensions (L x W x H)	1300 mm x 1100 mm x 2200 mm
Mass	2550 kg
Cabinet Transportation	Forklift or hoist
Cable Length	5 m
Environment Specifications	
Installation Location	Outdoors or indoors
Enclosure Protection Rating	Unit: IP54; Battery: IP67
Operating/Storage Temperature	-25 °C to +50 °C
Noise Output	<55 dB
Environmental Protection Standards	RoHS 2.0, REACH, and POPS
Communications Specifications	
Network Connections	4G LTE, Ethernet
Communications	OCPP 1.6 JSON
User Interface (UI) Screen	10 in. touch screen
Advertising Screen	43 in. screen
Payment Specification	
Payment Methods Accepted	EFTPOS, NFC, RFID, App
Warranty	2 years (extended warranty available)