

**D3**

**BIEVC**

**Battery Integrated EV  
Charging Solution**

**Energise the Revolution**

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## D3: BIEVC Battery Integrated EV Charging Solution

The eLumina D3 is designed for the country's unique energy and environmental conditions. It delivers 250kW ultra-fast charging, with integrated 175kWh battery storage and advanced B2G (Battery-to-Grid) and B2L (Battery-to-Load) capabilities. Engineered with full liquid cooling, off-grid support, and a modular all-in-one design, the D3 is built to power the future of electric mobility across both urban and remote regions.



### Product Highlights:

- Stable high-power output: Supports up to 250kW per connector with less than 70kW grid input
- All-in-one integration: 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: Engineered with robust liquid cooling for optimal performance across diverse Australian climates, while ensuring low maintenance and system longevity.
- Modular design: Built for easy on-site maintenance and parts replacement
- Flexible deployment: Multiple connectivity options for remote communication and optimized for easy relocation and integration across different site configurations

## D3 BIEVC Data Sheet

Configurations	
Grid AC Input Power	35kW*2 (70kW); or AC grid input power 35kW x 1 + PV MPPT Input 40kW x 1
Rated Battery Capacity	175kWh (285Ah)
EV Charging Power	250kW
Max Two Connectors Support	Max 250A charging current for each connector
AC Input	
AC Power Supply Mode	AC three-phase five-wire system (3L+N+PE)
AC Output to Grid (Optional Function)	
Output Voltage	380/400V $\pm 10\%$
Output Current	130A
Output Power	70kW (2*35kW bi-directional power module)
DC Input	
PV MPPT Input (Optional)	1 x PV MPPT input, up to 40kW input power, 300-900VDC input voltage, 70A max input current
Charging Output	
Charging Port	CCS2
Nominal Output Voltage	Output voltage range: DC 150 ~ 1000V, constant power range: DC 400 ~ 1000V
Electrical Configuration	Single or dual connectors for charging
Maximum Output Current per Channel	250A
Cable Length	5 meters (optional 7.5m)
Charging Output Power	Max 250KW
General Data	
Dimension	(W*D*H) $\leq 1450\text{mm(W)} * 1300\text{mm(D)} * 2200\text{mm(H)}$
Weight	$\leq 2500\text{kg}$
Operating Temperature	-25 ~ +50°C full power
Protection	
IP	IP55, Battery Pack IP65
Corrosion Protection Grade	C4
Noise	$\leq 55\text{dB}$ (ambient temperature $< 35^\circ\text{C}$ )
Fire Protection	Aerosol, explosion-proof panel
Certification	
European TUV CE Certification	CE, RCM
Payment Specification	
Payment Methods Accepted	Optional EFTPOS terminal
Warranty	
2 years (extended warranty available)	