



DC Alpha

240–480 kW

Ultra-fast DC charging solutions
engineered for Australia.





Key Features & Benefits

⚡ Ultra-Fast Charging

Up to 480kW power output, adding ~240km range in just 5 mins.

⚡ Dynamic Distribution

Intelligent power sharing between dual outlets for max utilisation.

🌡️ Australian Tough

Operates -30°C to 55°C. Humidity & salt-mist tested for coast/outback.

⚡ OCPP 1.6J Compliant

Seamless integration with any Australian CPO network or fleet system.

🔧 Customisation Options

Tailor the DC Alpha to your specific site requirements and brand identity.

 **Connector Standard:** CCS2 (Dual) – The Australian standard for DC fast charging.

 **Cable Length:** 5m standard or 7m optional for extended reach and vehicle positioning flexibility.

 **Branding & Design:** Custom cabinet colours, vinyl wraps, and decal placement for fleet/network identity.

 **Mounting & Protection:** Site-specific plinths, protective bollards, and weather canopy integration.

 **Payment & Access:** RFID authentication, app connectivity, or integrated credit card terminals.

 **Power Configuration:** Custom load management profiles to suit available site power capacity.

Technical Specifications

PARAMETER	SPECIFICATION
Output Power	240 kW – 480 kW (Dynamic Distribution)
Working Frequency	45 ~ 65Hz
Power Factor / Efficiency	≥0.99 / ≥94%
Input	400V ±15% / 440V ±10% / 480V ±10% (3-Phase + N + PE) TN-S
Output Voltage	CCS2 1000Vdc
Output Current	CCS2 400A Max
Connectors & Ports	CCS2 (Standard for AU) Dual Outlets
Power Sharing	Dynamic smart power distribution
User Interface	8" LCD Touch Screen Payment: Mobile APP / RFID / POS
Network	4G / Ethernet / OCPP 1.6J
Cable Length	5m standard (7m optional)
Protection & Cooling	IP55 Rated Forced Air Cooling
Dimensions	800 (W) x 885 (D) x 2226 (H) mm
Operating Env.	-30°C to +55°C; Altitude ≤ 5200m; Humidity ≤ 95% (non-condensing)
Warranty	26 Months Standard (Extended options available)
Compliance	IEC 61851-23 IEC 61851-1 RCM

Standard Compliance

Features CCS2 connectors as standard for maximum vehicle compatibility in Australia. Engineered to meet strict international safety and performance standards.



CERTIFICATIONS

- CE Certified
- RCM Compliant
- ISO 15118
- IP55 Rated

Applications & Use Cases

Designed for versatility, the DC Alpha supports critical charging infrastructure across diverse Australian sectors, ensuring reliability where it matters most.



Highways & Intercity

Rapid turnaround charging for long-distance travel. High power output ensures drivers spend less time waiting at roadhouses and service centres.



Commercial Fleets

Logistics, rideshare and government fleets with dynamic sharing. Optimises power usage for overnight or opportunity charging at depots.



Retail & Precincts

Shopping centres, business parks and entertainment venues. Provides a premium amenity that increases dwell time and foot traffic.



Service Stations

Future-proof existing fuel sites with ultra-fast charging. Compact footprint allows integration alongside traditional petrol bowsers.



Regional & Mining

Ruggedised operation for heat, dust and coastal environments. Essential for electrifying site vehicles in Australia's resource sector.



Councils & Tourism

Destination charging to support local EV adoption and tourism routes. Reliable infrastructure for communities and visitors.



Customisation for your site

Flexible configuration options including connector standard (CCS2 Dual), cable length (5m/7m), bollards, plinths, canopy integration, payment terminals, and site-specific load

Power the Future

Scalable, reliable, and built for Australia.

Ultra-Fast 480kW Output

Dual-port charging for next-generation EVs.

Intelligent & Connected

Dynamic sharing + OCPP 1.6J interoperability.

Extreme Durability

Tested for -30°C to 55°C, humidity, and salt mist.

Fully Customizable

Tailored cables, branding, and mounting options.

Next Steps

Speak with our team for site assessments, grid connection planning, and installation timelines. Secure your infrastructure today.

CONTACT IRONBARK EV

 (07) 3916 2379

 www.ironbarkev.com.au

 sales@ironbarkev.com.au

 Brisbane, Australia

