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# 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	<b>CCS2 (Standard for AU)</b>   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) × 885 (D) × 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 bowisers.



## 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

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