OCULAR

Orion

240kW - 420kW

Version 2.5



Charging ahead, Powering tomorrow.

The Ocular Orion is our fastest charger ever with 240-420 kW. This DC charging station allows two EVs to charge at once so you can drive more and charge less.

The Ocular engineering provides the fastest and most reliable solution for DC charging. Now EV drivers will spend less time charging and more time on the road. With two tethered 5m type 2 cables, this floor mounted system combines speed and function to simultaneously charge two EVs. Almost all Australian EV models will be charged in under half an hour.

The Orion is suited to withstand a wide range of Australian weather conditions, from extreme cold to scorching heat. The LCD screen provides live feedback to give customers maximum control over their charging.



COMPACT

Ergonomic yet high-performing design enhances comfort and safety without compromising functionality. Streamlined for efficiency, Orion ensures a minimal footprint, complemented by lightweight cables for user-friendly ease of use.

RELIABLE

Orion's innovative modularity outpacing the competition for a seamless and dependable charging experience. The reliable charging minimizes wait times and gets you back on the road faster.

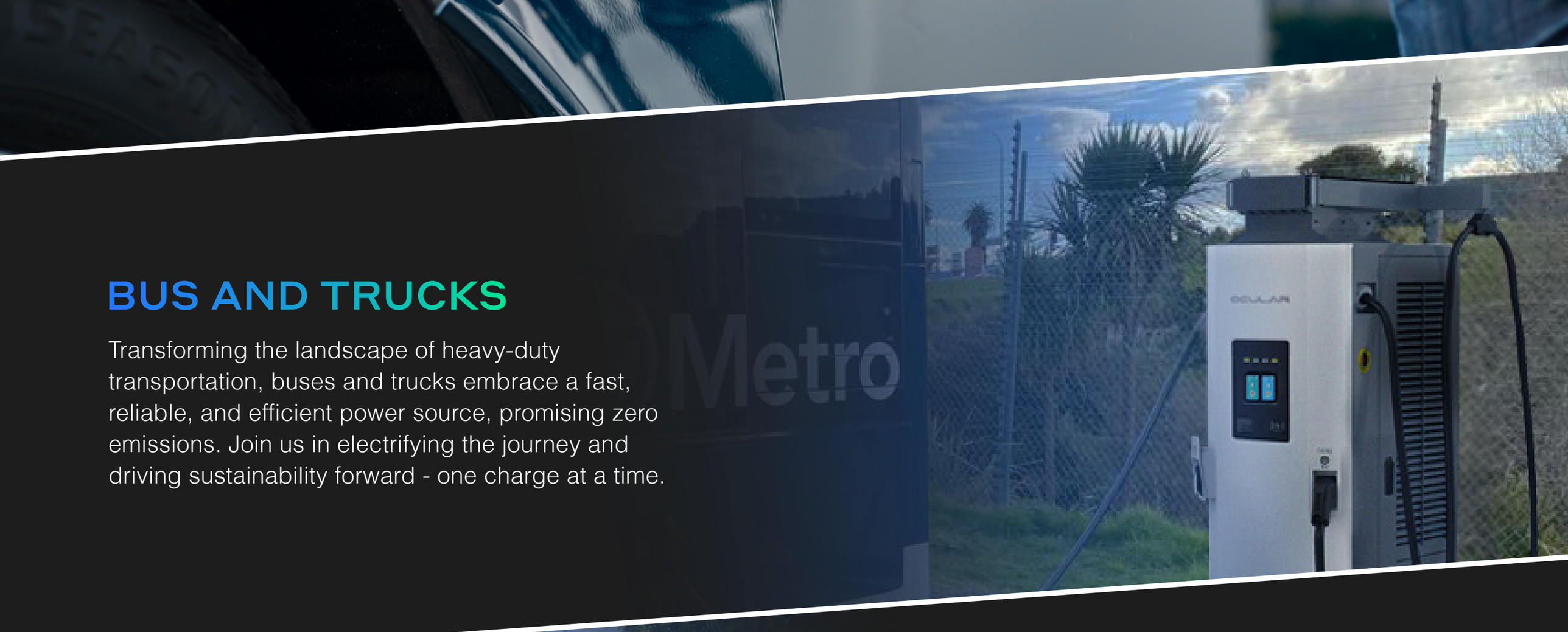
VALUE

Exceptionally cost-effective, ensuring superior value for your investment. Experience reliability and power combined, delivering top-notch features for the perfect balance, ideal for value-conscious consumers.



BUS AND TRUCKS

Transforming the landscape of heavy-duty transportation, buses and trucks embrace a fast, reliable, and efficient power source, promising zero emissions. Join us in electrifying the journey and driving sustainability forward - one charge at a time.



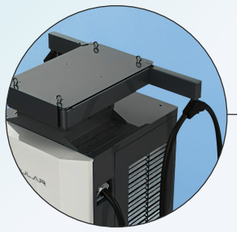


FLEET

Turning electric mobility from possibility to reality, Orion fuels fleets with the silent power of electricity, propelling them into a future of clean and efficient transportation. Witness large fleets silently navigating the road, marking a new era where sustainability and innovation converge to shape the future.

ORION 240kW - 420kW

Cable Management



8" LCD Touchscreen Display



RFID Scanner



Emergency Stop Button





Empower your business with Orion — the symbol of intelligence and capability. The 240kW to 420kW are designed to prioritise modularity for easy maintenance. Orion combines smart technology with robust reliability for an unparalleled charging experience that is compatible with all EVs from public cars, buses, trucks to fleet vehicles.

- Simultaneous charge to up to 2 EVs or E-buses
- RCD inbuilt
- 4G modem inbuilt
- Metallic Frame
- MID metering
- OCPP 1.6J, 2.0 (fleet and billing software)
- Secure User Identification

OCULAR
DC ORION

DATASHEET

Model	IOC240LY2-EE	IOC300LY2-EE	IOC360LY2-EE	IOC420LY2-EE
Power				
Rated Power Output	240kW	300kW	360kW	420kW
Number of Charging Ports	2			
Plug Type	CCS2 as standard, other options available on request			
Rated Input Voltage	3-Phase 400V ± 15%			
AC Input Current @400V (Amps/phase)	369	461	553	645
Max AC Input Current (Amps/phase)	434	542	650	759
Frequency (Hz)	50/60Hz			
Power Factor	>=0.99			
Efficiency	94%			
Input Cable Type	3P + N + PE			
Output Voltage	150V-1000V DC (vehicle dependent)			
Output Current	Max 375 Amps DC per port			
User Interaction				
Display	8” TFT LCD Touch Screen (IK08)			
Charging Cable Length	5m Cable as standard. Other cable lengths available on request			
Cable Managemernt	Retractable swing arm			
User Authentication	Mobile app, physical button, RFID, Autocharge			
RFID Reader	ISO14443 Type A cards compatible			
Credit Card Payment Module	Optional Nayax credit card module upgrade			
Emergency Stop	Push Button			
Communication				
OCPP	OCPP1.6J, OCPP2.0.1			
Communication Interfaces	Ethernet, 4G (Standard size sim), Modbus (TCP/IP)			
Load Control	Compatible with Ocular Load Controller or OCPP smart profiles			
General Data				
Ambient Air Temperature for Operation	-30°C to +50°C			
Ambient Air Temperature for Storage	-40°C to +75°C			
Working Humidity	95% relative humidity, non-condensing			
Altitude	Up to 6000 feet (2000 m)			
Protection Rating	IP55, IK10			
Cooling	Forced Air			
Dimensions (H x W x D mm)	2338 x 1050 x 956			
Net Weight	590 kg	645 kg	700 kg	755 kg
Electrical Protection	Over current, Short circuit, Over voltage, Under voltage, Ground fault, Lightning surge, Over temperature			
Certification	CE, IEC/EN 61851-1, IEC/EN 61851-23, IEC/EN 61851-21-2, RCM			
Supported Language	Language Selectable by user on screen - English, French, German, Spanish, Italian, Portuguese, Russian, eština, Finnish, Chinese, Japanese, Romanian, Thai, Arabic, Turkish			
Warranty	2 Years (Extended warranties available)			

POWERING THE JOURNEYS OF BUSINESSES AND PARTNERS

BUNNINGS warehouse

KIA

ELECTRICAL MERCHANDISING

LDV

OPTUS

BMW

Goodman

LINFOX

Australian Government

Lane Cove Council

MACQUARIE University
SYDNEY·AUSTRALIA

SIXT

INTELLIHUB



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