

ARCO Marine Introduces Zeus Omega™: The Next Evolution of Alternator Control

The easiest alternator control system ever



Built from Real-World Feedback. Designed for the Future.

Pensacola, Florida, ARCO Marine today announced the availability of the Zeus Omega™ Alternator Control System, a revolutionary new charging platform that reimagines how alternator systems are installed, controlled, and expanded.

Building upon the success of the award-winning Zeus Bluetooth Alternator Regulator, the new Zeus Omega platform represents years of customer feedback, installer input, OEM collaboration, and engineering development.

"We didn't set out to build another regulator," said Ben Stoddard, CEO of ARCO Marine. "We set out to solve the frustrations installers and end users have lived with for years. Every design decision behind Zeus Omega came from listening to our customers and asking how we could make alternator control simpler, smarter, and more expandable."

One Cable. Zero Harness Hassle.

The most noticeable innovation of the Zeus Omega Alternator Control System is what it eliminates.



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Traditional alternator regulators often require multi-wire harnesses routed throughout a vessel or vehicle. Zeus Omega eliminates that complexity through a patent-pending architecture that places the Zeus Omega Alternator Drive Module (ADM) directly at the alternator and the Zeus Omega Control Module near the battery.



Instead of running a harness, users simply connect a single communication cable between the controller and the ADM.

One cable. That's it.

Moreover, ARCO's Zeus Omega system introduces support for Hall Effect Sensors to measure current without the need to install time-consuming analog shunts.

The result is faster installation, cleaner layouts, fewer connections, and dramatically simplified troubleshooting.

A Patent-Pending Architecture Designed to Grow

At its core, Zeus Omega uses a patent-pending distributed control system that enables one controller to communicate with one or more ADMs over a communication network.

This modular architecture fundamentally changes how charging systems can be designed and expanded.

Rather than purchasing and configuring additional regulators as power requirements increase, users can simply add Alternator Drive Modules and communication cables while maintaining centralized control through a single Zeus Omega controller.

To expand the system, users add another alternator, an ADM, and a communication cable.

The system grows alongside the vessel, RV, emergency vehicle, work truck, or off-grid platform.



Innovation Beyond Installation



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The Zeus Omega platform introduces multiple patent-pending technologies developed to improve both reliability and user experience.

Auto Engine Run Detect automatically identifies when an engine is operating and begins charging without requiring ignition-run wiring. It also improves safety if a belt snaps: Zeus Omega detects when the alternator stops turning and shuts off charging.

Emergency Charging Mode provides backup charging capability should communication between modules be interrupted, helping ensure users can continue operating critical electrical systems.

Alternator Rotor Protection helps safeguard charging system components while improving long-term durability.

Combined with native voltage sensing, advanced CAN-based communication, and integrated system monitoring, Zeus Omega delivers a level of intelligence not previously available in traditional alternator control systems.

Built for Modern Electrical Systems

Zeus Omega supports 12V, 24V, 36V, and 48V charging systems and integrates with many of today's leading electrical platforms, including Victron DVCC, NMEA 2000, RV-C, CZone, and smart battery management systems.

The platform also includes native Bluetooth and WiFi connectivity through AZ Cloud, allowing users to configure and update systems via the ARCO Zeus app while monitoring and diagnosing charging performance through AZ Cloud.

As electrical systems continue to evolve, Zeus Omega was designed with future expansion in mind.

"This isn't simply the next version of a regulator," said Stoddard. "It's the foundation for where alternator control is going. Zeus Omega gives us a platform that can continue to evolve alongside the power demands of modern boats, RVs, commercial vehicles, and off-grid systems."

Available Now

The Zeus Omega Alternator Control System is available now through ARCO Marine's global distribution network.



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For additional information, visit ARCOMARINE.COM or contact ARCO Marine at sales@arcomarine.com.

*Patent Pending.

About ARCO Marine

Since 1960, ARCO Marine has been a leading manufacturer of marine and mobile electrical products. The ARCO Zeus High Energy product line delivers innovative charging solutions designed to maximize power generation, simplify installation, and improve reliability across marine, RV, commercial, and specialty vehicle applications.