# **490WER PRODUCTS**System Integrators



## The Power Products Advantage

Every customer's needs are different. Power Products System Integrators will always tailor our service to ensure you get the best value possible and support. With the world's leading electrical brands under one roof, we provide a system solution that can fulfil every need.

#### **Power Products Companies & Brands:**



CZone® is the industry leader in digital control and monitoring.

# MASTERVOLT

Mastervolt engineers and designs power management systems for marine, mobile and industrial applications.



BEP is recognized as the global leader and innovator of the renowned CZone digital switching platform.



Blue Sea Systems is the global leader in battery management solutions and circuit protection for harsh environment marine and vehicle applications.

## **Pro**Mariner™

ProMariner is the leading brand of sealed battery chargers sold to marine OEM and aftermarket channels as well as selected automotive and specialty vehicle applications.



Marinco specializes in harsh environment cable solutions and electrical components.



ANCOR supplies harsh environment wire and cable, replacement lighting, tools and wire management solutions.

Power Products System Integrators is a division of



## Providing more than products. Providing system solutions.

Power Product's extensive portfolio of electrical components and accessories ensures that we can provide the solution for all your electrical needs. Power Products System Integrators can guide from design to implementation, for the simplest or the most complex electrical systems.



## **Complete Partnership**

Power Products System Integrators provide customized electrical power, control and communication systems, and is your turn-key resource on everything from basic analog systems to full CZone Digital Control & Monitoring.

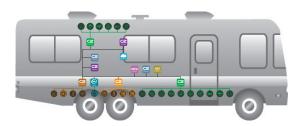
Our expert team of electrical engineers ensures optimum system requirements including hardware and wire harnessing. Working directly with our OEM partners, Power Products System Integrators helps identify key performance requirements of the electrical system, including:

- System Design
- System Configuration
- **☑** Production



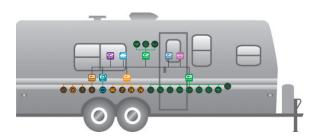
# Designed for your application

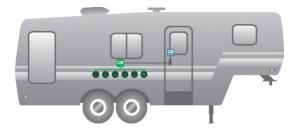
From simple stand-alone to fully networked systems, there's a CZone digital control and monitoring solution for every vehicle type













#### **DC Control**

Detailed control of all wired DC loads from 9-32V via a range of modules



#### **Switches**

CZone's flexibility allows for manual switches to be integrated into the system for critical functions such as horn, wipers, and bilge



#### MFD Integration

Monitor and control the onboard power system circuits directly from a partner MFD



#### Monitoring

Monitor critical on-board functions such as tank levels and battery levels



#### **Telematics**

Monitor your boat from anywhere in the world by utilizing telematics through one of CZone's partners



#### **Power Integration**

Mastervolt power sources easily integrate into the CZone system



#### **Displays**

CZone dedicated Touch 5™ and Touch 10™ screens can be positioned strategically on-board to control and monitor the electrical system



#### **AC Control**

AC dedicated modules control the flow of AC power coming into the boat, then monitors and protects AC circuits



#### **3rd Party Integration**

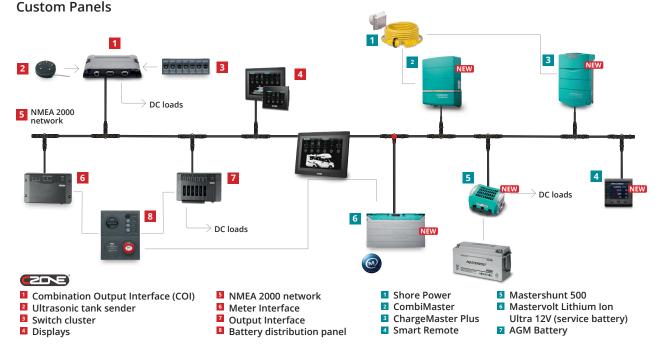
CZone's adaptability allow for 3rd party's to integrate into a CZone system

## System Design

System Integrators offer comprehensive design services and support for everything from panel design and wiring layout through to full CZone system design and implementation. Our Systems Engineering team combine industry standard best-practice and training with an in-depth knowledge of our wide range of industry-leading products. The result is a manufacturer designed and supported solution based on the customer's project specific needs.

#### CZone (Digital Switching) System

**Electrical System** 



## CZone® (Digital Switching) System

- Custom system design based on customer requirements
- · Perform all configurations and logic programming
- · Complete mode analysis and optimization





## **Electrical System**

- Design of complete electrical system based on individual requirements
- Access to market-leading electrical brands
- Ability to design both simple and complex power conversion systems
- Full generator replacement by Lithium Ion battery systems
- 100 % integration with CZone digital switching and displaying solutions









#### **Custom Panels**

- Unique, customer specific panels for optimized power distribution
- Wide range of AC and DC panel functions
- Comprehensive line of digital monitors and meters









## **Production**

System Integrators has the Design form Manufacturing expertise to assist production from start to finish. Depending on customer needs we can provide:

System Components Plug & Play Component Boards

Harnessing Installation Illustrations

Custom Kitting Training

#### **System Components**

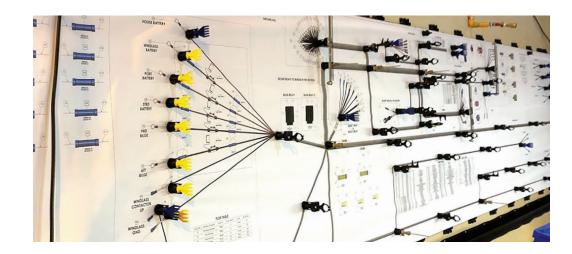
- Both AC and DC components plus all power conversion components
- Direct access to the leading marine and mobile electrical brands
- Products are designed to work together





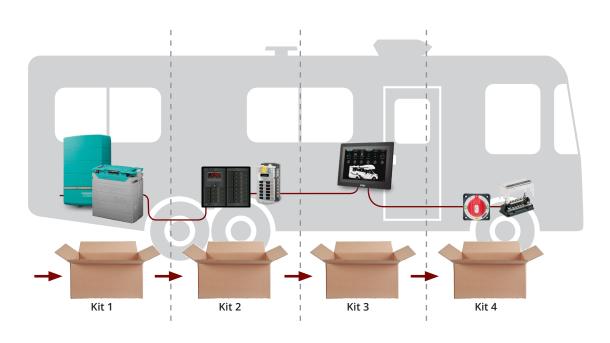
#### Harnessing

- Manufacture of pre-fabricated wiring harnesses
- Supplied complete or staged sub-assemblies
- All harnesses clearly labeled for ease of identification



### Custom Kitting (Specifically designed to align with work stations)

- Simplified configuration and installation process
- Reduced error-rates due to categorization and simplicity
- Configuration file developed & installed
- All circuits and backbone harnesses clearly labeled



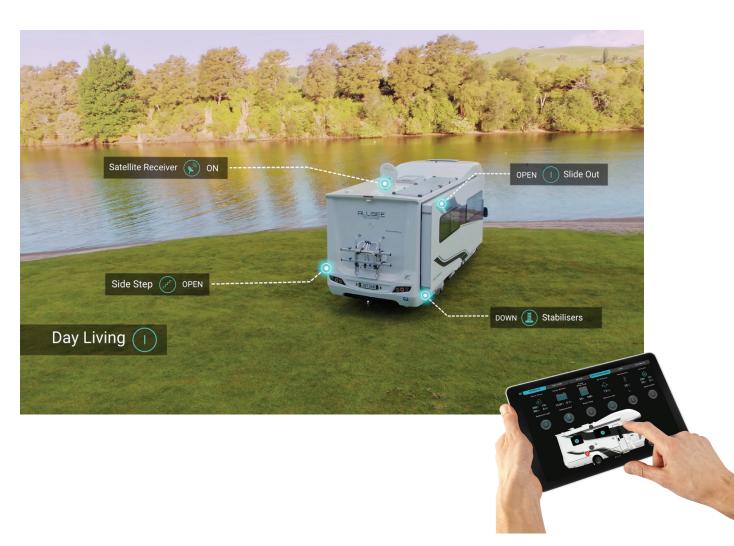
## Configuration

Configuration is the backbone of CZone functionality. It is the code that tells CZone how to perform. It is critical that configuration codes are carefully written and input into the system. PPSI will manage all configuration writing and ensure that it is uploaded properly.

#### **CZone Configuration**

- Designed and built for customer specific application
- Defined feature sets and best use of modes
- Feature sets
- Best use of automatic and one-touch modes
- Perform all configurations and logic programming



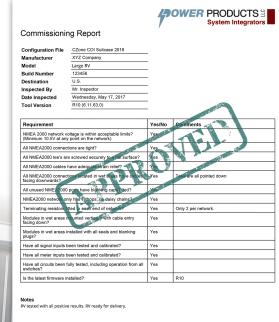


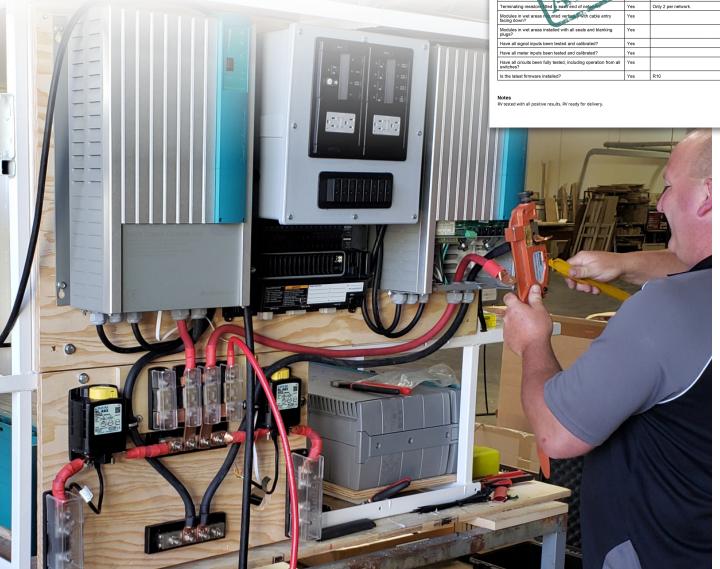
## **Commissioning & Support**

**Commissioning:** After the electrical system has been designed, built and installed, we will ensure everything is working properly. Our engineers will be on location to confirm functionality, and provide final sign-off on the system.

**Support:** Our global network of system engineers and technical staff are available to offer support for your system when you need it.

- On-site validation of system and configuration files
- Installation illustrations, instruction & assembly tools
- · Continued factory support as needed



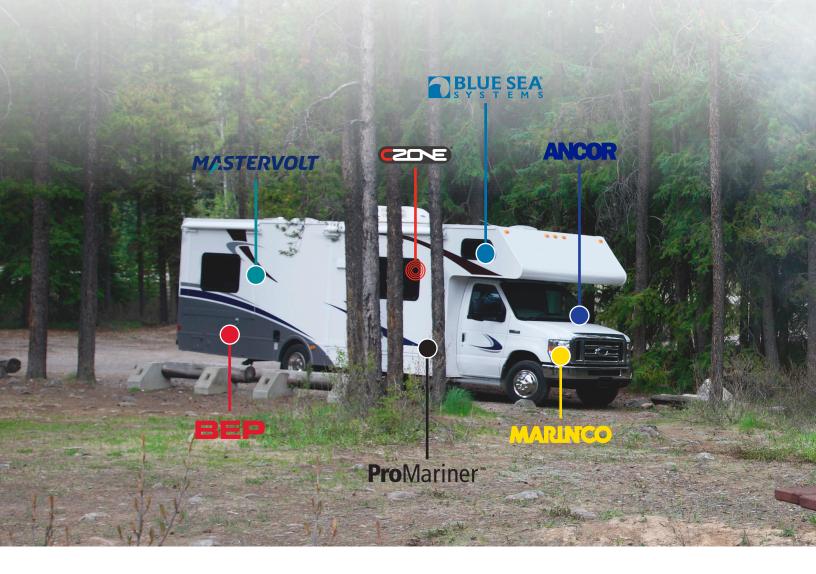


## **Total RV Integration**

The careful selection and design of a reliable electrical system is a time-consuming task. Systems are becoming increasingly complex, customers demand more and more comfort, and network communication makes virtually any form of integration possible.

Power Products System Integrators focuses on solutions and delivering components designed for system integration. From a battery connected to efficient conversion products with quality wiring to complete digital switching technologies for control and monitoring, all our components are perfectly matched to each other and meet the highest quality requirements.

Power Products System Integrators offers you the certainty of a reliable, tailor-made system comprised of strong links that can be used for any application.



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