



MARINE SOLUTIONS

System Power Management

Innovation for better control and application



YOUR EXPERT IN GENERATOR SOLUTIONS



Our range of marine certified products, can meet a maximum of marine needs: synchronization and power management, uneven load sharing protection, paralleling between generators and with shore, heavy consumer management, non-essential consumer trip.

GENSYS 2.0 MARINE

All-in-one paralleling unit for marine applications: PMS

The GENSYS 2.0 MARINE is a control unit designed for marine generator switch panels. This Power Management System unit combines all necessary functions:

- Engine start/stop and protection,
- Alternator control and protection,
- Mechanical and electrical parameters display,
- Generator synchronization,
- Load sharing by kW and kVAR control,
- kW power management with several modes,
- Synchronization with shore,
- kW and kVAR Load/Unload Management,
- Tie breaker control by instructions,
- GENSYS 2.0 MARINE is configured via its front panel or via a PC with CRE Config Software.



FEATURES

- Engine parameters display
- DC voltage power supply input
- Ethernet for connected module
- Embedded website
- Size: 248x197x57 mm
- 4 configurable digital inputs and outputs



RDM 2.0 MARINE

Remote display module for all-in-one generator control and paralleling unit

The RDM2.0 MARINE works as a remote display and, combine with GENSYS 2.0 CORE MARINE, can control a single or a multiple generating sets power plant.

Connected to a GENSYS 2.0 MARINE, the RDM 2.0 MARINE can be used as an additional remote display. RDM 2.0 screen displays the same data as the GENSYS 2.0. The display shows engine and electrical parameters for intuitive operation.



FEATURES

- Multi-function graphic display
- Fully compatible with all speed governors & AVR's
- 5 isolated serial ports
- J1939 communications Marine functions
- Embedded PLC
- Remote I/O CANopen management
- Marine functions



GENSYS 2.0 CORE MARINE

Core unit for all-in-one generator control and paralleling unit with integrated PLC PMS

The GENSYS 2.0 CORE MARINE is an easy-to-use rear-mounted, control and paralleling module which can synchronize up to 32 generators. The modules are designed to work with independent remote display module RDM 2.0, which are connected through Ethernet.

GENSYS 2.0 CORE MARINE is configured with CRE Config software.

- Engine start/stop and protection
- Alternator control and protection
- Mechanical and electrical parameters display
- Generator synchronization
- Load sharing by kW and kVAR control
- kW power management with several modes
- Breaker control and synchronization with shore
- kW and kVAR Load/Unload Management
- Tie breaker control by instructions



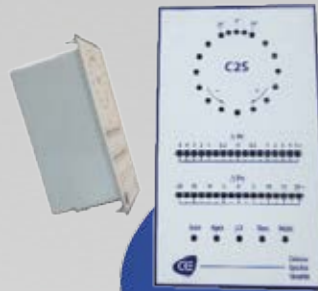
C2S

Synch check relay and display

This second generation of microprocessor-based module combines all the visualization and control functions needed to synchronize a generator to a bus bar:

- Display of the phase, frequency and voltage differences,
- Safety relay which monitors these three parameters
- Indicates the status of the installation.

This new version does not need a DC power supply. Indeed, the C2S is energized by the busbar.



FEATURES

- Led synchronoscope: phase, frequency & voltage differences and safety relay
- Manual & automatic modes
- Overall dimensions: 160x96x68mm



CRE CONFIG

Configuration software

CRE TECHNOLOGY has developed a new PC software which allows you to connect to multiple GENSYS & UNIGEN Family modules. This user-friendly software allows you to configure and monitor your power plant in real time.

- As a SCADA (monitoring), for configuration and module setting (SYSTEM)

CRE Config software allows you to configure and monitor up to 14 modules.

EASY PLC

Program and customize your internal logical sequences

CRE TECHNOLOGY's Easy PLC is a logic editor which provides graphical interface to create PLC instructions for GENSYS2.0.

Easy PLC simplifies the process of proprietary writing instructions thanks to a user-friendly graphic environment. That includes many sheets in which the user create instructions through «operators».





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