GC600M
High-End Synchronizing Genset Controller for Complex Applications

INTRODUCTION
Genset controller with a wide range of applications, from complex systems with multiple generators, mains, bus-ties to micro-grid systems with renewable sources that need to operate seamlessly with other sources, depending on load requirement and/or renewable production conditions.

GC600M is also a preference for CHP installations requiring multiple I/O and a capable PLC.

MAIN FEATURES

• Smartlogic and Integrated PLC
  The GC600M has individual memories for Smartlogic and the PLC. The Smartlogic uses logic statements with timers, calendars to generate an output. The PLC is a block-type PLC with PID Loops that can take signals from external elements and process within its PLC, eliminating the need for a separate PLC in the system. GC600M PLC is highly capable and has no block limitations.

• Insulated CAN interface
  Load sharing between generators is made easy and fast, with the use of a reliable CAN interface to communicate between generators.

• Intuitive Interface
  Whilst being a powerful controller, able to manage complex systems, the interface and programming is designed to be simple and easy to use.

• Global 5-Year Warranty
  Special Testing and consideration are taken in Mecc Alte controllers, allowing the confidence of a 5-year warranty against manufacturing defects.

• Related Products
  • MC200 – Mains Controller
  • BTB200 – Bus-Tie Controller
  • RN200 – Renewable Controller
  • DNV Marine Certified Controller

SPECIFICATIONS

• Supply voltage: 8...32 VDC
• 4.3” TFT color display with backlight
• Measurement inputs for Mains/Busbar voltage 100/400VAC, generator voltage 100/400VAC, generator current 5A/1A

• Inputs / Outputs
  • Analogue inputs: 6 (Expandable +20 and +30 Thermocouples)
  • Analogue outputs: 2 (Expandable +16)
  • Digital inputs: 18 (Expandable +64)
  • Digital outputs: 18 (Expandable +64)

• Engine
  • Analogue inputs: 6 (Expandable +20 and +30 Thermocouples)
  • Analogue outputs: 2 (Expandable +16)
  • Digital inputs: 18 (Expandable +64)
  • Digital outputs: 18 (Expandable +64)

• Integrated Communication
  • CANBUS J1939
  • Magnetic Pick-Up (MPU)
  • Stage V
  • Tier 4 Final

• Fuel / AdBlue Management
  • Fuel Pump Management: Yes – Dedicated Parameters
  • AdBlue Pump Management: Yes – Dedicated Parameters
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SPECIFICATIONS
• Features
  • Load Management
  • Load Sharing: via CANBUS
  • Power Modulation
  • Reactive Power Regulation
  • PWM
• Logic / PLC
  • Smartlogic: Logic with Timers / Calendars
  • PLC: Dedicated PLC Memory / Block Type / Unlimited Blocks

DNV Marine Certified Version available as GC600/GC600Mains/MC200 ‘Neptune’