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)
- **Integrated Communication**
  - 1 x USB port (Modbus RTU)
  - 1 x RS232 serial port (Modbus RTU)
  - 1 x Isolated RS485 serial port (Modbus RTU)
  - 1 x Ethernet port with RJ45 connector (Modbus TCP)
  - 2 x Insulated CANBUS interfaces

- **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

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'

5 YEAR WARRANTY

Mecc Alte Kit
Bundle Option

Lower Costs
Smart Logistics

User Friendly
Intuitive

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The information contained in this document is substantially correct at the time of publication but may be subject to change. Please work with your Mecc Alte contact to confirm details.

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POWER FROM WITHIN