



Control Panel

Model: AGC150

HYBRID CONTROLLER.

DIMENSIONS

OVERALL

233mm x 173mm x 45mm

PANEL CUTOUT

218mm x 158mm



GENERAL DESCRIPTION

- AGC 150 is a controller containing all necessary functions for protection and control of a genset, a mains breaker, and a bus tie breaker. It can be used as a single controller for one genset, or a number of controllers can be connected in a complete power management system for synchronising projects, island applications or running parallel to mains.

KEY FEATURES

- Automatic genset start/stop
- PV power control
- PV active/reactive power counters
- Inverter monitoring
- Weather station support
- Engine start sequences
- Engine and generator protections
- Engine communication via CANbus
- Run coil and crank configurable when using electric engine
- Tier 4 Final support with clear alarm indications
- Diesel and gas genset support
- 3-phase generator and busbar sensing
- Phase compensation for D/Y transformer
- Four current sensing inputs
- Integrated governor and AVR outputs for control
- State-of-the-art synchronisation and load sharing
- Synchroscope and sync check
- Digital voltage regulation support for different DVR
- Voltage and frequency matching

- Three synchronisation methods: Dynamic, Static and Close before excitation
- 12 digital outputs (configurable)
- 12 digital inputs (configurable)
- Two analogue outputs (-10 to 10 V)
- Four multi-inputs:
 - Resistor, 0 to 4000 Ω
 - Voltage, 0 to 10 V
 - Current, 4 to 20 mA
 - Digital input
- Deadbus sensing
- Ground relay
- Mains support for stand-alone system (AMF)
- Analogue load sharing with external box
- ROCOF and Vector jump protection
- Fuel usage monitoring
- Maintenance alarms
- Grid support
- Ethernet interface as standard
- PV inverter communication (Modbus Master) on RS-485 port 2

KEY FUNCTIONS

- Easy and user-friendly interface
- New design - Easy to mount
- PLC functions
- Alarm and Event logging
- Built-in analogue AVR and GOV control
- Stage V and Tier 4 Final