Advanced Genset Controller, AGC 200

Cost-effective & scalable controller platform

DEIF Advanced Genset Controller, AGC 200, meets and surpasses OEM needs for synchronisation. A cost-effective, compact, scalable and all-in-one product, the AGC 200 comes in several variants.

The advanced controller series integrates all necessary functions for genset protection and control, stands out for its reliability and operator-friendliness, and features patent-pending DEIF Emulation to speed up design, testing and commissioning, saving man hours and costs.

Applying asymmetric load sharing to ensure optimal load on the genset, the AGC 200 also cuts operating costs and reduces harmful emissions. With temperature-dependent cooling, the AGC 200 arrests cooling at pre-programmed cool-down temperatures and features automatic priority selection, setting the optimum combination of gensets for optimised fuel consumption.

AGC 200 options

► AGC 212: single genset in island operation
► AGC 213: single genset for automatic mains failure operation
► AGC 222: multiple genset with advanced power management in plants up to 16 generators (limited I/O)
► AGC 232: multiple genset in island applications with digital load sharing
► AGC 233: single genset for automatic mains failure, peak shaving, load take over and mains power export operation
► AGC 242: multiple genset with advanced power management in plants up to16 generators
► AGC 243: control of single or multiple gensets
► AGC 244: bus tie breaker
► AGC 245: mains breaker control
► AGC 246: mains and tie breaker
► AGC 252: multiple gensets with advanced power management in plants up to 256 generators
► IOM 200: analogue interface for AGC 200 family

AGC 200 features

► Multiple operating modes in one software
► Synchronisation of up to 56 breakers in one plant
► Multi-master power management
► Load-dependent start and stop
► Load management
► Priority selection (manual, relative running hours, absolute running hours, fuel optimisation)
► Compatible with your existing AGC-3 and AGC-4 gensets
► User-programmable logic (M-Logic)
► Configurable inputs/outputs
► Engine, generator and load protection
► Voltage measuring range: 50 to 690 V AC (UL/cUL Listed 50 to 600 V AC)
► J1939 engine communication, supporting 11 different engine brands with the ability to easily handle other engine brands
► Readout of engine diagnostics in clear text
► Remote control via high speed TCP/IP, RS-485 Modbus or GSM modem
► High speed USB connection
► Multi-language interface
► -40ºC operation temperature
► IP66 protection
► Lifetime logging stored on SD card

AGC 200 type approvals

www.deif.com