

DSE8620

AUTO MAINS FAILURE & INSTRUMENTATION CONTROL MODULE

FEATURES



The DSE8620 is an Auto Mains (Utility) Failure Control Module suitable for paralleling single gen-sets (diesel or gas) with the mains (utility) supply. The module will automatically start the generator on detection of a mains failure, and will control the switchover from and back to the mains (utility) supply, offering an uninterrupted return.

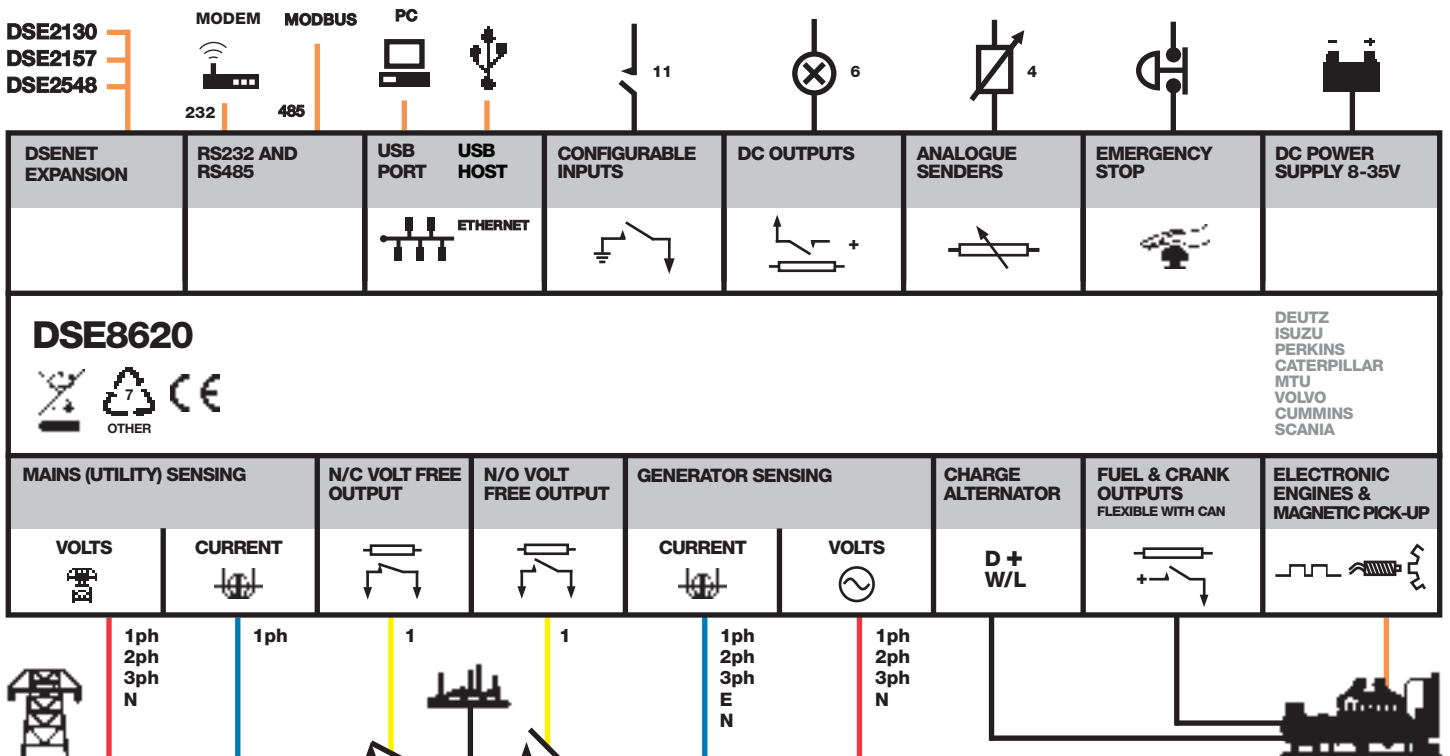
The modules synchronising functions include automatic synchronising with built-in synchroscope and closing onto dead bus. Direct and flexible outputs from the module are provided to allow connection to the most commonly used speed governors and automatic voltage regulators (AVRs).

A sophisticated module monitoring an extensive number of engine parameters, the DSE8620 will annunciate warnings, shutdown and engine status information on the back-lit LCD screen, illuminated LED, remote PC, audible alarm and via SMS text alerts. The module includes RS232 and RS485 ports as well as dedicated terminals for system expansion.

The DSE8620 is compatible with electronic (CAN) and non-electronic (magnetic pick-up/alternator sensing) engines and offers a comprehensive number of flexible inputs, outputs and extensive engine protections so the system can be easily adapted to meet the most demanding industry paralleling requirements.

The modules can be easily configured using the DSE Configuration Suite Software. Selected front panel editing is also available.

COMPREHENSIVE FEATURE LIST FOR SINGLE GEN-SET PARALLELING WITH MAINS (UTILITY)



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FEATURES



KEY LOAD SHARE FEATURES

- No-break return
- Peak shaving/peak lopping
- kW on mains (utility) level
- Mains (utility) decoupling test mode
- Manual speed/frequency adjust
- RCOF & vector shift
- Direct governor & AVR control
- Volts & frequency matching
- kW and kV Ar load sharing
- Manual voltage & frequency adjust

KEY FEATURES

- Configurable inputs (11)
- Configurable outputs (8)
- Voltage measurement
- Built-in governor and AVR control
- Mains (utility) failure detection
- Dedicated load test button
- MV-LV synchronising
- kW overload alarms
- Comprehensive electrical protection

- Magnetic pick-up
- Electronic engine capability
- RS232 & RS485 remote communications
- Modbus RTU
- PLC functionality
- Multi event exercise timer
- Back-lit LCD 4-line text display
- Multiple display languages
- Automatic start/Manual start
- Audible alarm
- Fixed and flexible LED indicators
- Event log (250)
- Engine protection
- Fault condition notification to a designated PC
- Front panel mounting
- Protected front panel programming
- PC configuration
- Configurable alarms and timers
- Configurable start and stop timers
- SMS alert messaging
- Remote monitoring

KEY BENEFITS

- RS232 & RS485 can be used at the same time
- DSENet® connection for system expansion
- PLC functionality
- Five step dummy load support
- Five step load shedding support
- High number of inputs and outputs
- Worldwide language support
- Configuration Suite PC software
- Direct USB connection to PC
- Ethernet monitoring
- USB host
- Data logging & trending

DSENet® EXPANSION DEVICES

- DSE2548 LED Expansion Module
- DSE2130 Input Expansion Module
- DSE2157 Output Expansion Module

RELATED MATERIALS

TITLE

DSE8620 Installation Instructions
 DSE8620 Operator Manual
 DSE8600 PC Configuration Suite Manual

PART NO'S

053-129
 057-142
 057-119