



Product Change Notification: DSE8610 MKII

Part No's: 8610-02/8610-03/8610-33/8610-34



DSE8610 MKII

Related Products	Description	Part Number
Module Gasket	Rubber Gasket Seal for Module Front Panel	020-564
DSE9470 MKII	24 Volt 10 Amp Battery Charger	9470-01
DSE890 MKII	DSEWebNet® Gateway 3G/4G/Ethernet	0890-02
DSE891	DSEWebNet® Gateway Ethernet	0891-01
DSE8003 MKII	7" Multi-Set Remote Overview Display	8003-02
DSE8004	10" Multi-Set Remote Overview Display	8004-01

New Features

Release Date: 13.01.20- v6.1.3	
Added Feature	Feature Explanation
Major enhancements to advanced PLC editor	The PLC editor has been completely redesigned. It has a brand new look and feel and offers enhanced functionality for the user, through the addition of new function blocks. The PLC editor is accessed via DSE configuration suite software. The PLC software now opens within its own operating window. This allows the PLC and configuration suite windows to remain open at the same time.
Load demand scheme improvements	Enhancements to the load demand scheme have been added to improve the capability of working with different sized sets. The scheme is based on the actual power that a set is generating.
De-rate capability	kW and kvar full load ratings in the DSE configuration suite software can now be overridden by GenComm registers. When overridden the system will behave exactly as if the de-rated values were set in the config. Two new instrumentation pages have been added to be visible when either power or var de-rating is enabled.
Ramping scheme improvements	The ability to ramp down to zero power is now available. A new timer has been added that starts when the ramp-down starts. When the timer expires the ramp is terminated to enable the set to be off-load in minimum time.
Display sets on load on modules LCD display	Enhancements have been made to the pages that show the modules MSC link. The modules MSC ID and which sets are on load are now visible.
Power curve simulation	Simulation injection testing has been added to the tools menu in the DSE Configuration Suite Software. This feature allows users to demonstrate power curves.
Configurable engine icons	The engine instrumentation page has been modified so the DTC related icon screen is user configurable. The user has been given the option to define the icons and conditions.
Serial port settings added to front panel editor	RS232 and RS485 settings for Slave ID and Baud Rate have been added to the front panel editor. A new page "Editor - Communications" has been added which contains 4 screens (RS232 Baud, RS232 Slave ID, RS485 Baud, RS485 Slave ID).
Release Date: 15.10.18 - v5.0.7	
Added Feature	Feature Explanation
Power And Reactive Power Control Response Improvement	Adds a D term to the existing P & I.
Power And Reactive Power Control When In Parallel With The Mains	A separate PID has been added when in parallel with the grid.
Power And Reactive Control Pulse Scheme	The graphical user interface has been moved to a new location within the DSE Configuration Suite Software.
Power And Reactive Control Delay Reduction	This feature has been modified for improved performance with electronic engines.
Power And Reactive Power Control Rate	This feature has been modified for improved performance with electronic engines.
Remote Start On Load Demand	This feature allows the load demand to open the breaker and keep the generator running.



Release Date: 15.10.18 - v5.0.7	
Added Feature	Feature Explanation
Inhibit Remote Start Of 8610	This feature allows external equipment such as a PLC to control which generators to run.
Number Of Sets On Load	SCADA now shows how many generators are on load. This feature is useful to show how many sets you have on load versus how many you think may be required.
Under Voltage Limit Reduction	The under voltage settings are restricted by the DSE Configuration Suite Software. These settings have been reduced. This is a useful feature when using different VT ratios.
Release Date: 15.03.18 - v4.1.2	
Added Feature	Feature Explanation
Persistent Governor Output	Provides the ability to instruct the governor drive to reset to zero or maintain the governor drive after closing the breaker in a synchronising/paralleling situation.
Persistent AVR Output	Provides the ability to instruct the AVR drive to reset to zero or maintain the AVR drive after closing the breaker in a synchronising/paralleling situation.
Filter Generator Voltage Display	Enables the control module to display an average generator voltage reading on the display screen in operating environments where the voltage readings are constantly changing.
Filter Bus Voltage Display	Enables the control module to display an average bus voltage reading on the display screen in operating environments where the voltage readings are constantly changing.
Release Date: 23.10.2017	
Added Feature	Feature Explanation
New power modes for when in parallel with the mains.	Provides the ability to affect the local mains voltage by changing the amount of kvar produced. New regulations (RFG/P1547) require power and var outputs to be varied depending on the frequency and voltage.
Redundant MSC communication wired to CAN ports.	Hot swappable redundant MSC.
True manual breaker control when in manual mode.	The breaker can now be configured to not close automatically based on remote start inputs etc..
Water in fuel digital input.	Triggers an alarm condition if water is detected in the fuel tank.
Fuel tank bund alarm digital input.	Triggers an alarm condition if fuel is present in the overflow fuel tank.
Separate ramp up and ramp down rates configurable via PLC.	Add the ability to configure the engine to ramp up and ramp down at different rates for different application circumstances.
Configurable CAN message time-outs.	Provides the user with the functionality to increase the stability of the CANbus messaging system.
In-built SNMP.	Removes the requirement for an additional SNMP device to connect to SNMP systems.
Configurable CAN transmit & receive.	Provides the ability to configure extra information to be sent or received over the CANbus link to support third party instrumentation.
Battery chargers on DSENet®.	Provides full support for intelligent DSE chargers and enable charger status information to be displayed on module front screen.
Update communication status screens.	More information has been added to the front panel display.

Current Module Software Version

Version	Date	Comments
V 6.1.3	13.01.20	Software upgraded to provide functionality for all new features.
V 5.0.7	15.10.18	Software upgraded to provide functionality for all new features.
V 4.1.2	15.03.18	Software upgraded to provide functionality for all new features.