DSE 8610 PARALLEL ON ISLAND CONTROL PANEL

PROTECTION, DISTRIBUTION AND AUTOMATIC CONTROL panel which is able to synchronized with other gen sets equipped with the same type of control module.

It has the following:

1. **EMERGENCY STOP PUSHBUTTON**

2. **PROTECTIONS:**
   - Motorized Circuit breaker switch or contactor circuit breaker.
   - Protection fuses for control module

3. **BATTERY CHARGER**
## DSE 8610 Protection Control Module

It has a digital LCD screen, which provides easy reading of the information regarding the **ENGINE**, **ALTERNATOR** and **CHARGING**.

### READINGS that can be made:

#### ENGINE:
- Coolant temperature
- Oil pressure
- Turning speed (rpm)
- Fuel level
- Battery voltage
- Battery alternator voltage
- Operating hours
- Number of start-ups

#### ALTERNATOR AND CHARGE:
- Voltages between phases and between phases and neutral.
- Intensities
- Frequency
- Active Power (kW)
- Reactive Power (kVar)
- Apparent Power (kVA)
- Cos phi
- Active energy meter (kW-h)

#### CONTROL of the set:
- STARTS and STOPS the set MANUALLY
- AUTO START AND LOAD SHARE CONTROL MODULE

**Protection of the engine and alternator, with the ALARMS activated:**

#### ENGINE:
- Low oil pressure
- High coolant temperature
- Low and High battery Voltage
- Failure of the alternator to charge batteries
- Low fuel level.

#### ALTERNATOR:
- Low and High Voltage
- Low and High Frequency
- Overload due to Intensity (A)
- Short-circuit
- Earth Fault Relay
- Negative Phase Sequence.
- Power Overload (KW-kVA)
- Load control:
  1. Connection and disconnection of artificial loads.
  2. Disconnection of non-essential loads
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### OTHER CHARACTERISTICS:

- The real-time clock provides an exact record of events.
- Extensive number of configurable inputs and outputs
- Configurable alarms and timers.
- USB connectivity
- Fully configurable via software and PC
- Modbus RTU
- SMS text messages
- Communications Ethernet, RS 232 and RS 485
- Scheduler Clock with multiple maintenance events which can be configured for the optimal operation of the engine.
- ALTERNATIVE CONFIGURATIONS, which open up the working possibilities

### DISTRIBUTION:

- POWER TERMINALS