



DSE Module Comparison Chart - January 2022



FEATURE	DSE4520 MKII	DSE4620	DSE6020 MKII	DSE6120 MKIII	DSE7320 MKII	DSE7420 MKII	DSE8610 MKII
Display Navigation Keys	2	2	2	5	5	5	5
Display	Icon	Icon	Icon	Text	Text	Text	Text
Language Translation Support	No	No	No	Yes	Yes	Yes	Yes
Configurable LED Indicators	0	0	0	0	4	4	4
Fully Configurable via Front Panel	Yes	Yes	Yes	No	No	No	Yes
Configurable via DSE Configuration Suite Software	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Hours Counter	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CAN Tier 4 Engine Support	Yes	No	Yes	Yes	Yes	Yes	Yes
Engine Stage V Icon Display	No	No	No	No	Yes	Yes	No
Power Save Mode (Sleep Mode)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Backlight Power Save Mode	Yes	Yes	No	Yes	Yes	Yes	Yes
3 ph Gen Sensing	Yes	Yes	Yes	Yes	Yes	Yes	Yes
3 ph Mains Sensing	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Medium Voltage (VT) Support	No	No	No	Yes	Yes	Yes	Yes
Power Monitoring (kW, kVAr, kVA, pf)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Accumulated Power Monitoring (kWh, kVArh, kVAh)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Current Monitoring and Protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IDMT Overcurrent Alarm	No	No	No	Yes	Yes	Yes	Yes
Negative Phase Sequence	No	No	No	No	Yes	Yes	Yes
Earth Fault Protection	No	No	No	No	Yes	Yes	Yes
Generator OverLoad Protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Low Load Alarm	No	No	No	Yes	Yes	Yes	Yes
Reverse Power Alarm	No	No	No	No	Yes	Yes	Yes
Breaker Control via Front Fascia Buttons	No	No	Yes	Yes	Yes	Yes	Yes
Gen Breaker Fail to Close Alarm	No	No	No	No	Yes	Yes	Yes
Gen Phase Rotation Alarm	No	No	No	No	Yes	Yes	Yes
Positive VAR Protection	No	No	No	No	Yes	Yes	Yes
Negative VAR Protection	No	No	No	No	Yes	Yes	Yes
Mains Phase Rotation	No	No	No	No	Yes	Yes	N/A
Mains Overcurrent Alarm	No	No	No	Yes	Yes	Yes	N/A
Mains Short Circuit	No	No	No	No	Yes	Yes	N/A
Mains Earth Fault Protection	No	No	No	No	Yes	Yes	6
Configurable DC outputs	6	6	4	6	6	6	8
Configurable Volt-Free Relay Outputs	0	0	0	0	2	2	2
Configurable Analogue/Digital Inputs	3	3	4	4	6	6	4
Configurable Digital Inputs	4	4	6	8	8	8	12
0 to 10V, 4 to 20mA Sensors Support	1	1	1	2 + Exp	2 + Exp	2 + Exp	4 + Exp
Mag Pick-Up Support	No	No	Yes	Yes	Yes	Yes	Yes
Maintenance Alarms	3	3	3	3	3	3	3
Oil Pressure Protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Coolant Temperature Protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Coolant Hight Temperature Alarm Levels	2	2	1	3	3	3	3
Low Coolant Temperature Alarm	No	No	No	Yes	Yes	Yes	Yes
Temperature Sensor Open Circuit Alarm	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Coolant Temperature Control (Block Heater)	Yes	Yes	No	Yes	Yes	Yes	Yes
Coolant Temperature Control (Coolant Cooler)	Yes	Yes	No	Yes	Yes	Yes	Yes
Fuel Level Protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Fuel Usage Alarm	Yes	Yes	No	No	Yes	Yes	Yes
Fuel Efficiency Instrumentation	No	No	No	No	Yes	Yes	Yes
Water in Fuel Input Function	Yes	Yes	No	Yes	Yes	Yes	Yes
Fuel Tank Bund Alarm Function	Yes	Yes	No	Yes	Yes	Yes	Yes
Fuel Run Time to Empty	No	No	No	No	Yes	Yes	Yes
Engine Speed Protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Engine Pre-Heat	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Engine Post-Heat	Yes	Yes	No	Yes	Yes	Yes	Yes
Exercise Scheduler Events	Yes	Yes	8	8	16	16	16
Engine Starting/Stopping Through Idle	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Tranfer Fuel Pump Control	No	No	Yes	Yes	Yes	Yes	Yes
Manual Fuel Pump Control	No	No	No	Yes	Yes	Yes	Yes
Delayed Load Outputs	4	4	4	PLC	PLC	PLC	PLC
Load Shedding Control Outputs	0	0	0	PLC	5	5	5
Dummy Load Control Outputs	0	0	0	PLC	5	5	5
Real Time Clock	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Battery Voltage Monitoring	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Start on Low Battery Voltage	Yes	Yes	Yes	Yes	PLC	PLC	PLC
Charge Alternator Failure Protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Alternative Configurations	3	3	1	1	5	5	3
Event Log Capacity	50	50	50	250	250	250	250
J1939-75 CAN Instrumentation & Alarms Output	Yes	Yes	No	Yes	Yes	Yes	Yes
Configurable Received CAN Instrumentation	10	10	0	30	30	30	30
Support DSE2130 Input Expansion Unit	No	No	No	Yes	Yes	Yes	Yes
Support DSE2131 Input Expansion Unit	No	No	No	Yes	Yes	Yes	Yes
Support DSE2133 Input Expansion Unit	No	No	No	Yes	Yes	Yes	Yes
Support DSE2152 Output Expansion Unit	No	No	No	Yes	Yes	Yes	Yes
Support DSE2157 Output Expansion Unit	No	No	No	Yes	Yes	Yes	Yes
Support DSE2548 Annunciator Expansion Unit	No	No	No	Yes	Yes	Yes	Yes
Support Battery Chargers as Expansion Units	No	No	No	Yes	Yes	Yes	Yes
Mimic Display DSE2520 Support	No	No	No	No	Yes	Yes	N/A
Internal PLC logic	No	No	No	Yes	Yes	Yes	Yes
Data Logging Parameters	0	0	0	10	10	10	20
USB Slave Port	Yes	Yes	Yes	Yes	Yes	Yes	Yes
USB Host Port	No	No	No	No	No	Yes	1
RS485 port	No	No	No	No	1	1	2
RS232 port	No	No	No	No	Yes	Yes	Yes
Ethernet	No	No	No	No	No	Yes	Yes
DSEWebnet® (Remote Monitoring) Compatibility	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PIN Protected Front Panel Configuration	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Configurable Front Panel Editor	No	No	No	No	Yes	Yes	Yes
IP65 Gasket Included as Standard	No	No	No	No	Yes	Yes	Yes
Optional Heated Display	Yes	Yes	Yes	Yes	Yes	Yes	No
Startup Screen Logo	No	No	No	Yes	Yes	Yes	No
Screensaver Logo	No	No	No	Yes	Yes	Yes	N/A
Dual Mutual Standby	No	No	No	No	Yes	Yes	Yes
Balance Engine Hours	No	No	No	No	Yes	Yes	Yes
Active Sync Source Matching	No	No	No	No	Yes	Yes	Yes
Check Sync Functionality	No	No	No	No	Yes	Yes	Yes
Closed Transition Return to Mains	No	No	No	No	Yes	Yes	N/A
Interlock Override	No	No	No	No	Yes	Yes	N/A
AVR Control Over CANbus	No	No	No	No	Yes	Yes	Yes
Match AVR Configuration	No	No	No	No	Yes	Yes	Yes
AVR Data Fail Alarm	No	No	No	No	Yes	Yes	Yes

