

GMP261 - DSE 6110 MKIII

GMP261 - DSE 6110 MKIII panel is an automatic start generating set panel of microprocessor based design which is capable of interfacing with electronic engine through the can-bus J1939. It is configurable by front fascia buttons and PC software as well. If Mains voltage is to be monitored, DSE 6120 MKIII can be offered.

Construction

Sheet fabrication	CNC shearing & bending
Paint type	Heat-treated powder-coated
Paint application	Electrostatic corona spraying
Durability tests	<ul style="list-style-type: none"> • IMPCAT [EN ISO 6272] • Salt spray resistance [ASTM B117-73] • Humidity Resistance [ASTM D2247]
Compliances	<ul style="list-style-type: none"> • Panel is compliant with [ISO8528-8] • Clearance & Creepage [IEC60355-1] • Leakage current & Dielectric strength [IEC60355-1] • Protection against electric shock [IEC600 364-4-41]
Degree of protection	IP55
Wire crimping	<ul style="list-style-type: none"> • Crimping force up to 20KN • Accuracy of 0.01mm • Each crimping is Checked by Komax CFA+
Wire coding	<ul style="list-style-type: none"> • Wires are coded by color and cross section • Wires are coded by printed numbers • Wires are coded by printed function of the wire



- Image is for reference only and might not be 100% reflective of the actual product.
- Due to continuous improvements, above data is subject to change without prior notice.

Certifications



- The control panel is certified by an ISO 17025 accredited laboratory to have IP55 according to IEC 60355



Standard features

Protection (Standard)	Control (Standard)	Instrumentation (Standard)
Over /Under AC voltage	Remote start input	Gen AC Voltage: 3ph VLL & VLN
Over /Under frequency	Emergency Stop button	Gen Frequency: Hz
Delayed Over current	Common Alarm volt-free contact	Gen Current : 3 phase A
Short-circuit- IDMT	Event log (50 events)	Power: KW, KVA, KVAR & PF
Over KW	Weekly Exerciser	Energy: KWhr, KVAhr, KVARhr
Low power KW	Audible Alarm	Lube Oil pressure
High Engine Temperature	Standard CANbus J1939	Engine coolant temperature
Low oil pressure	Preheat control	Battery DC Voltage
Maintenance Alarm, three levels	Heater Control	DC Alternator Voltage
High/Low Battery voltage	External Panel Lock	Engine Speed
Charge alternator fail	Idle Speed Control	Operating hours
Fail to start	Open / Close Breaker	The engine instrumentation if engine is electronic and connected via J1939 link
Fail to stop	Alarm Mute / Reset	
Low coolant level ^{Note 2}	ATS function (with DSE6120 MKIII)	

Optional features

Protection (Optional) <small>Note 1, 3</small>	Control (Optional) <small>Note 1</small>	Instrumentation (Optional) <small>Note 1, 3</small>
• High oil temperature	• Battery Changer: 5A, 10A , UL	• Lube oil temperature
• High exhaust temperature	• Fuel pump control	• Exhaust temperature
• Low fuel pressure	• Oil Sampler	• Engine Inlet air (Boost) pressure
• Low coolant pressure	• Pre-lube oil pump	• Charging ammeter
• Low fuel level	• Extension: - Ethernet - Modbus TCP	• Fuel pressure
• Low oil level	- RS485 - Modbus RTU	• Coolant pressure
• High winding temperature	- Webnet - GPS tracker	• Fuel level
• High bearing temperature	- Alarm Annunciator	• Lube oil level
• Low boost pressure	- Input Extension	• Winding temperature 3xRTD
• Fusible link fire protection	- Output Extension	• Bearing temperature RTD
• Low coolant temperature	- Charger Extension	• CANbus instrumentation
	• Heaters: - Water jacket, oil sump, fuel tank, battery, anti-condensation	

Notes

Note 1: Some OPTIONAL features could be standard if CANbus is established within electronic engines.

Note 2: Low coolant level protection is standard feature for Gensets above 200KVA, otherwise it is optional.

Note 3: There is limitation in the number of protections and measurements that can be offered with DSE6110MKIII.