

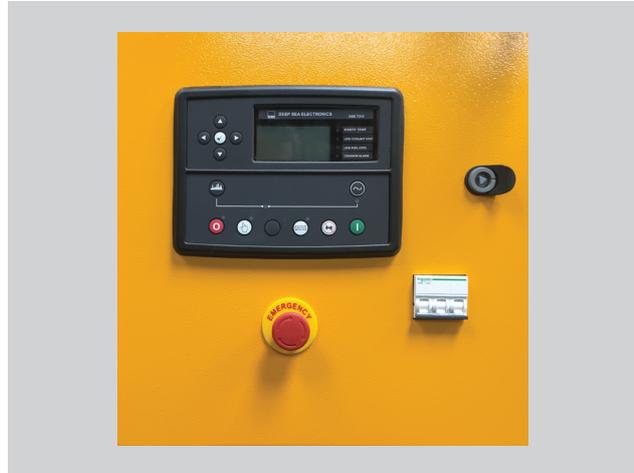
## GMP 204 - DSE 7310



GMP204 (DSE7310) 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 fully configurable by PC. If Mains voltage is to be monitored, DSE7320 can be offered.

### Construction

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



- 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/ Sequence AC Gen V	Remote start input	Gen AC Voltage: 3phase VLL & VLN
Over/Under frequency	Emergency Stop button	Gen Frequency: Hz
Delayed Over current	Common Alarm volt-free contact	Gen Current: 3 phase A
IDMT Short-circuit	Event log (250+)	Power: KW, KVA, KVAR & PF
Over KW / Reverse power	Weekly /Monthly Exerciser	Energy: KWhr, KVAhr & KVARhr
Unbalanced Load	Audible Alarm (64dB)	Lube Oil pressure
Over/Reverse KVAR	Enhanced CAN-bus J1939	Engine coolant temperature
Earth fault current <sup>Note 3</sup>	Modbus RTU (RS485 / RS232)	Battery DC Voltage
High/Low Battery voltage		DC Alternator Voltage
High Engine Temperature		Engine Speed
Low oil pressure		Operating hours
Low coolant level <sup>Note 2</sup>		
Low coolant temperature		

## 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	• Dummy load control	• Fuel pressure
• Low fuel level	• Load shedding control	• Coolant pressure
• Low oil level	• Mutual automatic operation	• Fuel level
• High winding temperature	• Pre-lube oil pump	• Lube oil level
• High bearing temperature	• GSM (RS232): SMS	• Charging ammeter
• Low boost pressure	• Extension: <i>Digital Input, Digital Output, LED Analogue 4-20ma/0-10V inputs, Ethernet-Modbus TCP Webnet-GPS tracker</i>	• Winding temperature 3xRTD
• Fusible link fire protection	• Heaters: <i>Water jacket, Oil sumps, fuel tank, battery, anti-condensation</i>	• Bearing temperature RTD
		• Outlet alternator temperature
		• Ambient / Canopy temperature

## 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 genset above 200KVA, otherwise it is optional.

Note 3: This is to be mentioned during ordering