



MODEL		P50
Standby Power (50HZ)		40KW/50KVA
Prime Power (50HZ)		36KW/45KVA
Open type	1900*750*1200mm/900 kg	
Soundproof Type	2280*1000*1250mm/1050 kg	
Fuel tank 150L (8 hours)		
Features <ul style="list-style-type: none">• Compact structure with high-strength chassis;• Easy operation and maintenance, Low cost;• Excellent performance damping system;• Compliance with international electrical safety standards of electrical system;• High-performance maintenance-free batteries with isolation switch• 50 Radiator;• Top lifting, Forklift bottom hole design, easy to transport;• Absorber;• Convenient power output interface;• Customized design for user;• Ripple flex exhaust pipe, exhaust siphon, flange, Industrial muffler;• Dry type air filter, fuel filter, oil filter.		
Genset Technical Data		
Rated voltage		400 V
Phase		3
Noise		@ 7m 70dB
Fuel consumption of 100% load		11 Litres/h
Fuel consumption of 75% load		8 Litres/h
Voltage regulation rate		≤±1%
Random voltage variation		≤±1%
Frequency regulation rate		≤±5%
Random frequency variation		≤±0.5%
ENGINE DATA		
Engine Model		1103A-33TG1
Engine Manufacturer		PERKINS
Number of Cylinder		3
Cylinder arrangement		Vertical in-line
Cycle		4 stroke
Aspiration		turbocharged
Bore x Stroke		105 x 127 mm
Displacement		3.3L
Compression Ratio		17.25:1
Prime Power/speed		41.3KW / 1500rpm
Standby Power/speed		45.6KW / 1500rpm
Speed governor		Electrical
Cooling System		Forced Water Cooling Cycle
Steady speed droop		≤1%
Total lubrication system capacity		7.9L
Coolant capacity		10.2L
Fuel consumption at 100% load		208 g/Kw.h (at 1500RPM)
Starter motor		DC 12V
Alternator		DC 12V
Alternator Specifications :- GP/STAMFORD/LEROY SOMER		
Alternator model		224C
Prime power/speed		40KW
Standby power/speed		36KW
Connecting Type:		3 Phase and 4 Wires, "Y" type connecting
Efficiency		87,1%
Rated speed		1500 RPM
Rated frequency		50HZ
Phase		3
Rated voltage		400V
Exciter type		Self excitation, Brushless
Power factor		0,8
Voltage adjust range		≥5%
Voltage regulation NL-FL		≤±1%
Insulation grade		H
Protection grade		IP23
Optional		
Fuel System		
• 12 / 24 hour base tank (single wall)		
• Dual wall base fuel tank		
• Outside fuel tank		
• Automatic fuel feeding		
• Fuel level indicate		
Canopy		
• Hired type		
• Economy Oil heater		
• Trailer		



DSE Control Panel

DSE is an Auto Mains (Utility) Failure Control Module suitable for diesel gen-set applications. Monitoring speed, frequency, voltage, current, oil pressure, coolant temperature and fuel level, the modules will display warnings, shutdown and engine status information on the back-lit LCD screen and illuminated LED.

DSE offer electronic (CAN) and non-electronic (magnetic pick-up/alternator sensing) engine versions and offer a number of flexible inputs, outputs and engine protections so the system can be easily adapted to suit a wide range of application demands. The modules can be easily configured using the DSE Configuration Suite PC software. Selected front panel editing is also available.

KEY FEATURES <ul style="list-style-type: none">• AMF & ATS• Front panel editing• Power Save mode• 4 Digital inputs• 3 Analogue inputs• Alternative configuration• Event Log (5)• Remote Start input• Test button• Engine pre-heat• Hours counter• Configurable timers and alarms• Back-lit icon LCD display	<ul style="list-style-type: none">• LED and LCD alarm indication• PC and front panel configuration• 3 Phase generator monitoring• Current monitoring and protection• Power monitoring (kW, kV A, kV Ar)• 3 Phase Mains (Utility) monitoring• Battery Voltage monitoring• CAN and Magnetic Pick-up/Alt. versions available (specify on ordering)• 6 Outputs (4 configurable on Magnetic Pick-up/Alt., 6 configurable on CAN version)• Comprehensive shutdown or warning on fault condition	KEY BENEFITS <ul style="list-style-type: none">• Automatically transfers between mains (utility) and generator power• Hours counter provides accurate information for monitoring and maintenance periods• User-friendly set-up and button• Multiple engine parameters are monitored simultaneously• Module can be configured to suit individual applications• Compatible with a wide range of CAN engines• Uses DSE Configuration Suite <p>PC software for simplified configuration</p> <ul style="list-style-type: none">• IP65 rating (with optional gasket) offers increased resistance to water ingress• Licence-free PC software
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