



Powered by

Kubota®



15KVA Technical Specification

Generator Model		PEKL-15	
KVA/KW (Prime)	15KVA / 12KW		
KVA/KW (Standby)	16.5KVA / 13.2KW		
Frequency / RPM	50 Hz / 1500		
Voltage / No. of Phase	415 / 3		
Rated Current (Amps)	20.85		
Over Load Capacity	10 % over Load for 1 Hours in each 12 Hour of Operation		
Fuel Tank Capacity (liters)	100		
Acoustic Enclosure Dimensions L X W X H (mm) including Silencer	1700 x 900 x 1250		
Gross Weight (Kg)(Approx)	900		
Engine			
Engine Model	G15-II		
No. Of Cylinder	2 Cylinder		
Engine Cooling Type	Water Cooled		
Bore	95 mm		
Stroke	110 mm		
Swept volume	1.56 litre		
Aspiration	Naturally Aspirated		
Maximum/Rated Power	21.31 HP		
Max. operational speed	1500 RPM		
Engine Maximum air flow	64 kg/hr.		
Compression Ratio	17.5:2		
Lub Oil Sump Capacity	5 litre		
Fuel injection Pump - Supplier	Bosch		
Fuel injector - Supplier	Bosch		
Starter Motor	2.5 KW		
Charging Alternator	23 AMP		
Stop Control	Solenoid		
Air Cleanaer Type	Dry		
Heat Rejection Rate	15.7 KW/hr		
System Pressure	0.9 Bar		
Electrical System	12 V		
NO. of Battery	1		
Battery Capacity	88 AH		
Alternator			
Alternator Make	Stamford	Leroysoner	
Alternator Model	SOL1-P1	LSAP 40 E	
Volage	415 Vol / 230 Vol		
Frequency	50Hz		
Class of Insulation	Class H		
Voltage Regulation	± 1%		
Power Fcator	0.8		
Pole	4 Pole		
Voltage Regulation	AVR (Automatic Voltage Regulator)		
IP Rating	IP 23		
Control Panel			
Battery Charger	12 VDC, Automatic Battery Charger		
Controller	Deep Sea 4520 MK II		

DG CONTROL PANEL

▶ Operating Features

- Microprocessor based digital controller
- Accurate LCD display
- Local Start/Stop
- Remote Start/Stop
- Generator breaker control
- Easily Accessible through Fascia
- Flexibility for selecting Manual, Auto operations
- Easily Convertible AMF by giving Mains Fail Signal

▶ Metering

Engine Parameters:

- Engine Speed
- Lube Oil pressure
- Coolant temperature
- Engine Running Hour
- Engine Battery voltage
- Running status
- Fuel level in Percentage
- Event Log with date and time

Electrical Parameter

- Generator Voltage (Ph-Ph)
- Generator Voltage (Ph-N)
- Generator Current (R,Y,B)
- Generator Apparent power (kVA)
- Generator active power(kW)
- Generator reactive power (kVAr)
- Generator Power Factor
- Generator Frequency (Hz)
- Cumulative Power Consumption in kWh
- Cumulative Power Consumption in kVAh
- Cumulative Power Consumption in kVArh
- Control Supply Voltage

▶ Protection

Engine

- High Water Temperature
- Low oil pressure
- Low Fuel Level
- Over Speed
- Engine Fails to Start

Electrical

- Generator under Voltage (ANSI-27)
- Generator over Voltage (ANSI-59)
- Generator under Frequency (ANSI-81L)
- Generator over Frequency (ANSI-81H)
- Generator over Current (ANSI-51)
- Control Supply under Voltage
- Control Supply over Voltage
- Phase Reversal
- Unbalanced Load

▶ Controller

The DSE 4520 MKII Is A Compact Auto Mains (utility) Failure Control Module That Has Been Developed To Provide An Outstanding Range Of Features Within A Compact Enclosure.

The Module Can Be Configured For Use As An Auto Start Control Module.



▶ Controller Feature

- User-friendly interface and backlite full graphics LCD
- Battery voltage monitoring & reverse protection to aux supply
- 7/9 configurable analogue/digital inputs
- Auto, Manual and Remote Start/Stop Operation
- Island Operation
- Automatic Mains Failure Function
- CANbus Engine interface for communication
- Log with latest 100 events
- Fully configurable via PC using USB, RS485 communication
- DC Battery supply voltage range 8 to 32V
- -20 to 65 °C operating temperature range
- Ip65 Protection class with gasket
- LCD alarm indication
- Power save mode
- 7 configurable Digital output

▶ Electrical Specification

- Supply Voltage Range: Nominal Voltage - 12/24 V DC
- Cranking drop out period: 50 ms
- Maximum reverse voltage protection: -32 V DC
- Measurement accuracy (battery voltage): $\pm 1\%$ Full scale
- Resolution: 0.1 V
- Maximum current consumption ~ 200 mA
- Measurement accuracy (battery voltage) - $\pm 1\%$ full scale

▶ Environmental Specification

- Operating Temp: -20 to 65°C in compliance with 60068-2-1, 2
- Vibration: 2G in X, Y and Z axes for 8 to 500Hz in compliance with IEC 60068-2-6
- Shock: 15 g for 11 ms in compliance with IEC 60068-2-27
- Humidity: 0 to 95% RH in compliance with IEC 60068-2-78
- Protection Degree: IP65 Protection class with gasket in compliance with IEC60529
- EMI/EMC in compliance with IEC 61000-6-2, 4

▶ Approvals

- CE Compliant
- UL/cUL Recognized to UL/ulc6200:2019 1st edition



PERFECT[®]
SOLVING YOUR POWER NEEDS...

60+

of
Legacy

5GW+

of Power
Delivered



Globally
Certified

800+

Employees
Across the Globe

24,000 sq.ft

Manufacturing Unit

2,00,000+

Power Generators Supplied

35+

Countries Powering Global
Success



Perfect House Pvt. Ltd.

2nd Floor, 99C Kavya Aura, Next to Rosewood Hotel, Tardeo, Mumbai –
400034, India

Contact No: +9122-62611900/907

✉ exports@perfectgenset.com

Factories

Plot no. M-7, J-2/5, J-2/6, J-10,

Additional MIDC, Satara -415004, India