

650 KVA
3 PHASE **50 Hz**



GENERATING SET MODEL (UPS P 650)

Output Ratings	Prime	Standby
380-415 V, 3 ph, 50 Hz, 1500 rpm	650 KVA 520 KW	700 KVA 560 KW
380-415 V, 3 ph, 60 Hz, 1800 rpm	625 KVA 500 KW	687 KVA 550 KW

ENGINE / TECHNICAL DATA

Ratings at 0.8 Power Factor

Engine Make	Perkins	
Engine Model	2806A-E18TAG2	
Governing Type	Electronic	
Number of Cylinders	6	
Cylinder Arrangement	Vertical in line	
Bore and Stroke mm	145 x 183	
Displacement / Cubic Capacity litres	18.1	
Induction System	Turbocharged and air to air charge cooled	
Cycle	4 stroke	
Combustion System	Direct Injection	
Compression Ratio	14:5:1	
Rotation	Anti-clockwise, viewed on flywheel	
Cooling System	Water - cooled	
Frequency and Engine Speed	50Hz & 1500rpm	60Hz & 1800rpm
Gross Engine Power kW (hp)	584 (783)	628 (842)
Fuel Consumption @ 50% load L/hr	61	66
@ 75% load L/hr	90	95
@ 100% load L/hr	123	127
Total Lubrication System Capacity litres	62	62
Total Coolant Capacity litres	61	61
Exhaust Temperature: °C	555	555

625 KVA
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ALTERNATOR DATA

Make	UPS / Leroy Somer
Model	UPS354E / TAL 047 F
No. of bearings	1
Insulation class	H
Wires	6/12
Ingress Protection	IP23
Excitation System	SHUNT
Winding Pitch	2/3

Overspeed	2250 mn ⁻¹
Voltage Regulation (steady)	± 1%
Short Circuit Capacity	-

CONTROL PANEL

Make	Deep Sea
Model	7000 SERIES

The DSE 7000 Series is an Auto Start Control Module for single genset applications. It includes a backlit LCD display which clearly shows the status of the engine all the times. This module can either be programmed using the front panel or by using the DSE configuration suite PC software.

Metering and Alarm indications:

- Generator frequency
- Underspeed, Overspeed
- Generator volts (L-L, L-N)
- Generator current
- Engine oil pressure
- Engine coolant temperature
- Fuel level (Warning or shutdown) - Optional
- Hours run counter
- Battery volts
- Fail to start/stop
- Emergency stop
- Failed to reach loading voltage/frequency
- Charge fail
- Loss of magnetic pick-up signal - Optional
- Low DC voltage
- CAN diagnostics and CAN fail/error

Image for illustrative purposes only



