

MODEL : K650VS

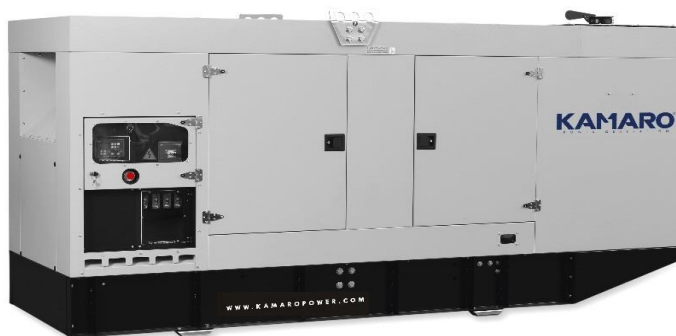


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Power Rating		
Standby power LTP	kVA	653,0
Prime power PRP	kVA	592,9

Main Features		
Frequency	Hz	50
Voltage	V	400/230V
Power factor	cos ϕ	0,8
Phase and connection		3

Main Specifications		
Engine Make & Model	Volvo	TAD1642GE
Speed Governor		Electronic
Alternator Make & Model	Mecc Alte	ECO40-1.5L/4
Fuel Tank (ltrs) / Autonomy @75% load (hrs)	636	7
Noise Level - dB(A)@7mt		75
Dimensions	L x W x H (mm)	4400x1560x2250
Weight	Kg	4945

General Structure

Engine/alternator monoblock unit coupled and mounted via adequately sized, anti-vibration mountings to Welded Steel Profile Base Frame with welded or screwed support legs. Fuel Tank with filler neck, air breather, minimum fuel level sensor.

- Soundproof canopy made up of modular panels, realized with zinc steel as treatment against corrosion and aggressive conditions, properly fixed and sealed allowing a full weatherproof enclosure.
- Easy access to the genset for maintenance purposes thanks to: Wide lateral access doors fixed by stainless steel hinges and provided with plastic lockable handles and internal perforated galvanized steel-sheet; Detachable panels, with screws holes protected by rubber tap.
- Control panel protection door provided with suitable window and lockable handle.
- Lateral air inlet opening properly protected and soundproofed. Exhaust air outlet from the roof, through wet section protected by proper grid.
- Double lifting points frame structure.
- Noise attenuation thanks to soundproofing material (rock wool)
- Efficient residential silencer placed inside the canopy

TECHNICAL DATA SHEET

Engine		
Brand		Volvo
Model		TAD1642GE
Speed Governor		Electronic
Max power PRP	kW	514
R.P.M.		1500
Cylinders		6 in line
Displacement	cm ³	16120
Fuel consumption at 75% of load	l/h	89,9
Cooling System		Water
Aspiration		Turbocharged intercooled

ALTERNATOR		
Brand		Mecc Alte
Model		ECO40-1.5L/4
Pole		4
Stator/rotator insulation		H
Protection level	IP	21

PHYSICAL CHARACTERISTICS		
Integrated fuel tank	LTR	636
Lead acid batteries		24V180Ah
Dimensions	W x L x H (mm)	4400x1560x2250
Weight	Kg	4945

Noise Level dB(A) LWA		
Guaranteed Noise Level	dB(A) LWA	105
Noise Pressure Level	@ 7 mt	75

ACP - Automatic control panel

Mounted on the genset, complete with digital control unit AC03 for monitoring, control and protection of the generating set, protected through door with lockable handle.

COMMANDS AND OTHERS

- Four operation modes: OFF - Manual starting - Automatic starting - Automatic test.
- Push-button for forcing Mains contactor or Genset contactor.
- Push-buttons: start/stop, fault reset, up/down/page/enter selection.
- Remote starting availability.
- DC system disconnection switch.
- Acoustic alarm.
- Automatic battery charger.
- RS232 Communication port.
- Settable PASSWORD for protection level.

ALARM PROTECTION

- Engine protection: low fuel level, low oil pressure, high engine temperature.
- Genset protection: under/over voltage, overload, under/over frequency, starting failure, under/over battery voltage

SHUT DOWN PROTECTION

- Engine protection: low fuel level, low oil pressure, high engine temperature,
- Genset protection: under/over voltage, overload, under/over battery voltage, battery charger failure.
- Circuit breaker protection: III poles.
- Earth Fault included in the control unit.

OTHERS PROTECTION

- Emergency stop button.
- Panel protected through door with lockable handle.

OUTPUT PANEL ACP

Plinth row for connection from ACP to LTS panel.
 External Terminal Board (ETB) Standard



LTS - LOAD TRANSFER SWITCH - Accessories ACP

Nominal Current	A	1000
Width (W)	mm	1000
Height (H)	mm	800
Depth (D)	mm	450