

# MODEL : K650VO



Image provided for illustrative purposes only

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 $\phi$	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		0
Dimensions	L x W x H (mm)	3500x1500x2120
Weight	Kg	3680

## General Structure

### BASE FRAME MADE OF WELDED STEEL PROFILE, COMPLETE WITH:

- Anti-vibration mountings properly sized
- Welded or Screwed support legs.

### PLASTIC FUEL TANK WITH THE FOLLOWING COMPONENT:

- Filler neck
- Air breather (ventilation pipe)
- Minimum fuel level sensor

### MANUAL OIL DRAININ PUMP:

- Oil draining facilities

### ENGINE COMPLETE WITH:

- Battery
- Liquids (no fuel)

### PROTECTIONS:

- Moving and rotating parts protection against accidental contacts

### LIFTING:

- Lifting points frame structure.

### EXHAUST (STANDARD):

- Industrial silencer (loose)

## 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 <sup>3</sup>	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	L x W x H (mm)	3500x1500x2120
Weight	Kg	3680

Noise Level dB(A) LWA		
Guaranteed Noise Level	dB(A) LWA	0
Noise Pressure Level	@ 7 mt	0

**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