

Generator Technical Data	
Genset Model:	TWD1653GE
Brand:	Volvo
Output Type:	AC, 400V, 50Hz, 1500rpm, 3 phase, 0.8 lagging
Power	520kw/650kva
Output Frequency:	50Hz
Rated Current (A):	936
Cooling System:	Water Cooling
Silent Type Gross Weight :	6300kg
Silent Type Dimension:	4800*2200*2500mm
Voltage available on request:	50Hz: 380, 400, 415, V / 220, 230, 240V 60Hz: 220, 380, 416, 440, 480V / 110, 208, 220, 240V
Standard Configuration:	1, Cooling Fan with fan guard and front guard 2, Alternator: Single bearing ,IP23,H class 3, 24V Charger 4, Shock Absorber 5, Dry Air Filter, Fuel Filter, Engine Oil Filter. 6, Smartgen 6110N Automatic Control System 7, 2x 12v Start Battery with connecting cable 8, Storage Battery and battery line, Exhaust pipe, Corrugated pipe for anti-vibration, Cone Tube, Flange, Muffler 9, Silent Enclosure/Canopy 10, Documents
Alternator Parameter	
Brand:	Stamford
Model:	S5L1D-F41
Excitation:	Single Bearing, Brushless, Self-excitation
Phase:	3 phase
Connection:	3 phase 4 wire
Rated Voltage:	400V
Frequency and speed:	50HZ/1500RPM
Power	520kw/650kva
Insulation / Temp. rise class:	H/H
Bearing Number:	1
Power Factor:	0.8
Protection Class:	IP23
Voltage Regulation:	≤+/-1%
Tel. Harmonic Factor THF:	≤2%
Tel. Influence Factor TIF:	≤50
Altitude Condition:	≤1000M

Others:	circuit breaker, AVR
Engine Parameter	
Brand:	Volvo
Engine Model:	TWD1653GE
Fuel	Diesel
Output Type:	1500rpm 24V Electricity Starting
Aspiration:	Turbo-changed
Power:	604kw
Cylinders:	6
Bore * Stroke:	144*165mm
Fuel System at 100% load	198g/kwh
Filter	Dry Air Filter, Fuel Filter, Engine Oil Filter, Coolant Filter
vibration damper	each foot has Shock Absorber; Load Range: 1000-1100kgf; damping ratio: 0.8C/Cc; working temperature: -40 to +70℃
Exhaust and Others:	Storage Battery and battery line, Exhaust pipe, Corrugated pipe for anti-vibration, Cone Tube, Flange, Muffler
Standard Specification	
Cooling Method:	water radiator, belt drive cooling fan with fan shield
General Feature:	exhaust muffler, starter battery , fittings, operators and service manual, etc.
Control System:	Smartgen Automatic Control System 1, Function: Control Panel provides necessary Monitoring, Control and Protection functions for the diesel genset. 2, Installation: Free-standing, fully enclosed dust-tight design, having concealed hinges and locking handle. 3, Generator Protections :a: Low oil pressure, b: Over temp. c: Over/low speed d:Charger failure e:Over crank f:Stop failure g:Low/high charge voltage h:Emergency i:Common alarm j:Generating failure

