






**60kva diesel generator set  
With silent enclosed casing**




**Gensets are compliant with ISO 9001 and CE standard, which include the following directives:  
EN ISO 12100:2010, EN ISO 8528-13:2016, EN 60204-1:2006+A1:2009+AC:2010, EN 55012:2007+A1:2009**


#### GENERATOR GENERAL DETAIL

Model	GFS-60
Type	Soundproof
Prime power	48kw/60kva
Standby power	52.8kw/66kva
AC output	Three Phase 400V/230V 50Hz
Power factor(cosΦ )	0.8
Base frame fuel tank	115L
Dimension(L× W× H)(mm)	2300*950*1250
Net weight(kg)	1100KG

#### ENGINE POWER TECHNICAL DATA

Make	 
Picture	
Model	ZH4105ZLD
Engine rated power	62kw
Engine type	4 Cylinders, in Line
Rated Speed	1500 rpm
Bore× stroke	102*118 mm
Displacement	3.857 L
Fuel Consumption 75% loading	8.56 L/h
Aspiration Type	turbo charged

Rotation from Flywheel End	Anti-clockwise
Combustion System	Direct injection
Cooling System	Water Cooled
Start Type	24V, Electric Start
<b>ALTERNATOR TECHNICAL DATA</b>	
STAMFORD TYPE BRUSHLESS	224E
Picture	 
Rated power	48kw/60kva
Power factor( $\cos\Phi$ )	0.8
Design	Brushless single bearing, revolving field
Stator	2/3 pitch
Rotor	Single bearing, flexible disc
Protection class	IP23
Insulation system	Class H
Standard temperature rise	125–163 °C standby
Exciter type	Self excited
Phase rotation	A (U), B (V), C (W)
Alternator cooling	Direct drive centrifugal blower fan
Voltage regulation, no load to full load	+/- 1%
AC waveform Total Harmonic Distortion (THDV)	No load < 1.5%. Non distorting balanced linear load < 5%
Telephone Influence Factor (TIF)	< 50 per NEMA MG1-22.43
Telephone Harmonic Factor (THF)	< 2%
<b>CONTROLLER AND PROTECTION SYSTEM</b>	
Make&Model	AMF Digital intelligent 6120N Controller
Picture	

<p style="text-align: center;"><b>Automatic Self-starting Control System</b></p> <p>1, Function: Control Panel provides necessary Monitoring, Control and Protection functions for the diesel genset.</p> <p>2, Installation: Free-standing, fully enclosed dust-tight design, having concealed hinges and locking handle.</p> <p>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</p>	
<b>STANDARD FEATURES</b>	
Breaker	4 poles main circuit breaker
Silencer	Heavy duty industrial type super silencer with flexible elbow
Radiator	50 °C ambient radiator with safty guard
Battery	High capacity sealed maintenance free battery, with auto charger
Emergency stop button	Y
AVR and off-line charger	Y
Manuals	Operation& Maintenance manuals of engine, alternator and controller
<b>ATS 100A</b>	Aisikai or Yuye
ATS(Automatic Transfer Switch) system, automatically start the generator when power outage, and automatically shut down the generator when electric power comes back.	
<b>WARRANTY POLICY</b>	
<p>Guarantee for 14 months or 1200 hours (whichever comes earlier) from ex-factory date. During the guarantee period, our company will provide the free easy damaged spare parts for problems caused by our quality of production or raw material, except the damageable spare parts of diesel engine caused by customer's man-made incorrect operation. After expiration,our company provides cost spare parts maintenance for gen-set.</p>	
<b>PAYMENT TERM AND DELIVERY</b>	
30% deposit and balance before shipment by wire transfer	
Within 25 working days delivery after the 30% down payment.	