

## 1500KW DIESEL GENERATOR QUOTATION

(60HZ, 13.8KV, AC three-phase, box-type)

<b>Unit price</b>	<b>EXW</b>
<b>Package</b>	Stretch film packing
<b>Delivery time</b>	25working days after advance payment
<b>Warranty</b>	<b>One year or 1000 working hours from the shipment date, whichever comes first</b>
<b>Payment terms</b>	T/T in advance(50% prepaid by T/T and balance paid by T /T before shipment)

### Model:KT-1500GF Technical Data Sheet



pics only for reference

## STANDARD SPECIFICATION

### General feature

- All qualified generator sets are subjected to a comprehensive performance test which includes 50% load, 75% load, 100% load, 110% load and to check, verify that all control systems, alarm and shut-down protection.
- Equipped with battery charger and 24V high performance maintenance-free lead-acid starting batteries and connecting cables.
- Equipped with industrial silencer and flexible exhaust hose.
- Designed to Comply with ISO8528/GB2820.
- Powered by yuchai engine

### Advantages

- Stability, reliability and easy-service
- Low operating and maintenance cost
- Widely used, location to meet customer needs
- Easy-installation, easy-operation and maintenance

### Genset Technical Data

Prime power	1500KW/1875KVA
Rated speed	1800 RPM
Output frequency	60 Hz
Phase	3
Rated voltage	13.8KV
Engine model	YC16VTD2510-D32
Alternator Brand	ENGGA EG560GSES

**Prime Power :** Prime power is available for an unlimited number of annual hours in variable load application, in accordance with GB/T2820-97; A 10% overload capability is available for a period of 1 hour within a 12-hour period of operation.

**Standby Power Rating :** The standby power rating is applicable for supplying emergency power for the duration of a utility power interruption. No overload, utility parallel or negotiated outage operation capability is available at this rating.

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## Reliable Performance

### Voltage regulation

Voltage regulation maintained within  $\pm 0.5\%$  as follow:

- Power factor Between 0.8~1.0 lag
- From no load to full load, any steady load
- Speed droop variation under 4.5%

### Frequency/Speed undulation

- Change load from 0-100%, Frequency/Speed Droop Ratio within 5%
- Load from 25-100%, any steady load Frequency/Speed undulation within 0.25%

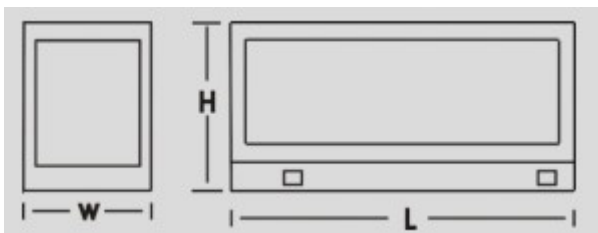
### Effect factor of telecom

- Telephone Influence Factor (TIF) : Less than 50  
THF : Less than 2%

## Criterion

- ISO8528, GB/T2820
- EN12601:2001, EN60034-22:1997, EN60204-1:2006
- ISO9001:2008 Quality Control System
- CE

## Dimension and Weight



### SILENT type

Overall size (L\*W\*H)  
10000\*2500\*2750mm

**For reference only**

## ENGINE SPECIFICATION

### YU CHAI Diesel Engine Technical Data

Engine Model	YC16VTD2510-D32
Type	Direct injection、 four-stroke、 water-cooling
Prime power	1680kw
Standby Power	1850KW
Bore×Stroke	152x180mm
Rated speed	1500rpm
Displacement	52.26L
Fuel oil consumption	201g/kw.h
Speed Governor	Electronic control speed regulation
Asperation	Turbocharged
Cylinders No. and Arrangement	V16

## ALTERNATOR SPECIFICATION

### Alternator Technical Data

Alternator Brand	ENGGA
Model	EG560GSES
Exciter type	Brushless, Self-excited 100% of the copper
Rated output prime power	1500KW/1875KVA
Rated speed	1800RPM
Rated frequency	60Hz
Phase	3
Rated voltage	13.8KV
Power factor	0.8
Voltage adjust range	≥5%
Voltage regulation NL-FL	≤±1%
Insulation grade	H
Protection grade	F

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## Control System

### Control System smartgen 6110NC

gensets have a control cubicle (the smart gen 6110NC as standard) mounted on a isolated support, which has the following features.

- Electronic digital control module with monitoring/control facility and warning indicators
- Automatic shutdown protection
- Emergency stop button (lock-down type)
- AC output circuit breaker with over-current protection
- DC circuit control switch

### The control module display

- Generator voltage
- Output frequency
- Engine speed
- Battery voltage
- Engine run-time (Hours)
- Note:
  1. The engine coolant temperature displayed by water temperature gauge
  2. The engine oil pressure displayed by oil pressure meter
  3. Generator current displayed by current meter, to change switch for each phase displayed separately

### The control module display for failure information

- Overspeed / underspeed
- Emergency stop
- Low oil pressure
- High water temperature
- Failure to start
- Battery charger failure

### Automatic shutdown

- Low engine oil pressure
- High engine water temperature
- Overspeed/underspeed
- Failure to start after three attempts

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## *The control modules option*



Remarks: For the specific and detailed features of the above types, please refer to “Control System Selection” file  
1000A high pressure control cabinet



## **Warranty**

**One year or 1000 working hours from the shipment date, whichever comes first**

## **Silent Canopy Technical**

- •The KANGTE series silent type generator set in accordance with ISO standards, And in conformity with the safety requirements and environmental requirements of relevant work environment of the current and pending legal, kangte generator set are all pass the strict test, can run under the most demanding working conditions.
- •Performance feature:
- •Weatherproof, Strong And Stand wear and tear.
- • Powder coat, with Excellent anti-corrosion performance.
- • Full considering the security, to ensure safe operation and maintenance.
- • Good handling.
- • Low noisy level, less emissions, more environmentally friendly.
- Based on the kangte genset power, it can divide into double side single-door, double side double doors, imitate container type.