

## **POWERBOX-CONTAINER SERIES**



### **ETTES POWER MACHINERY CO LTD**

*The Key Supplier for Complete Power Generating Systems*

Tel: +86-22-23796980

E-mail: [info@ettespower.com](mailto:info@ettespower.com)

Fax: +86-22-23796811

Internet: [www.ettespower.com](http://www.ettespower.com)



■ **Superior Engine Generation**  
**Drive a Better World**

*Knowing it is Ettes Power*

DOC Version: 08/2016

## Technical Features

Ettes Containerized power system, meets the requirements of special working conditions, frequent hoisting & dragging, quick installation and easy maintenance.

Suitable for all industries and fields, such as Natural Gas/Renewable Gas/Useable Waste Gas/Oil Field Power...

Reliable continuous running, strong ability of sudden load and unload.

Produce clean energy, such as electric energy, thermal energy and steam, high efficiency.

Replace standard coal or petroleum etc. traditional energy, greatly reduce pollutant emission

Several gensets integrated in a container to run in parallel mode and parallel / disconnect automatically according to the load for both supplying power to variable loads and saving fuel

Easy operation, low maintenance cost, long overhaul period

### High safety

Products are fitted with many kinds of sensors and safety valves, integrating control, measurement and protection functions

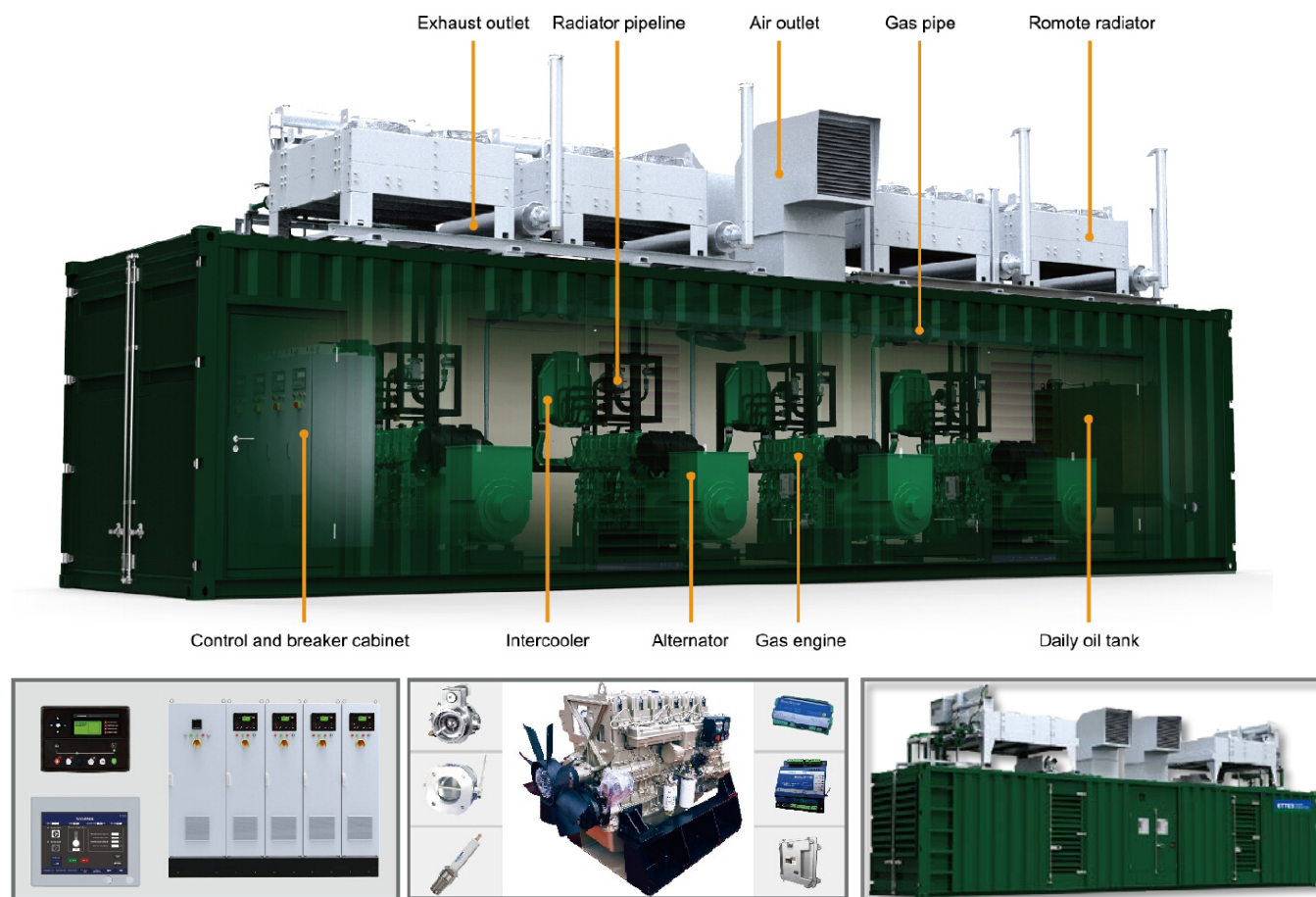
### Module design

Fuel input system, power output system and heat output system, all adopt module design, mature technique, high reliability.

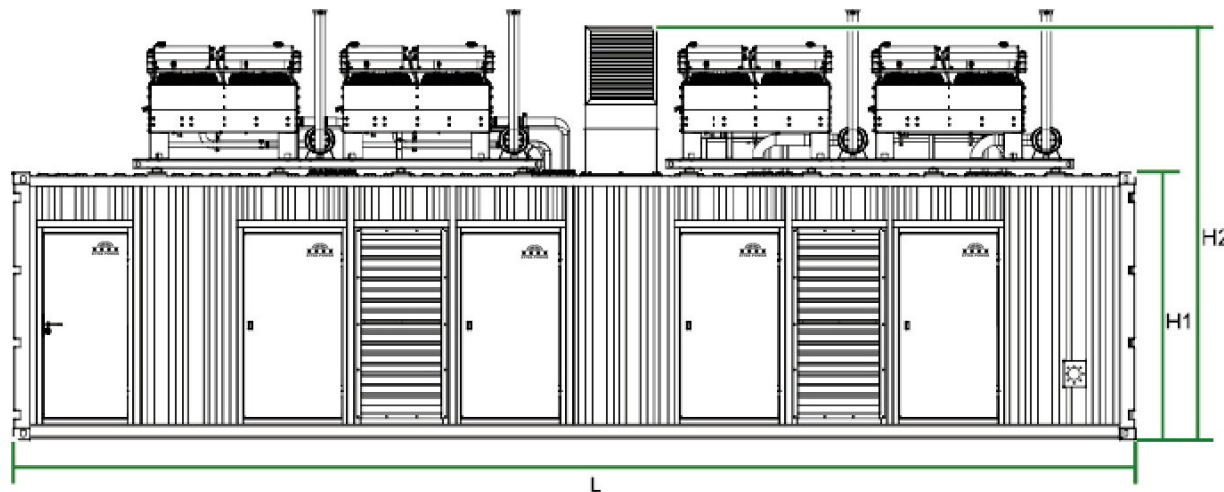
### Parallel function

Advanced intelligent control system PCC300 or GCC861, several units run in parallel mode for large power, it can export power to mains or parallel with mains.

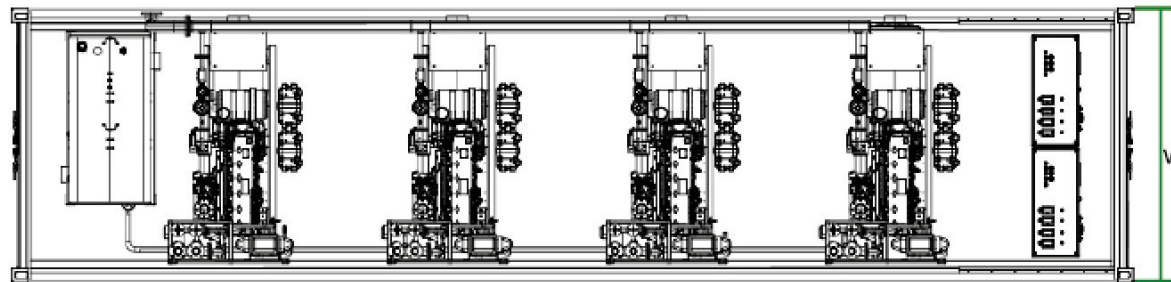
## Humanized Design And Intelligent Control



### Reference Structure Type-EPC1000 (4×250kW)



Ettes Power Gas Engine Generation & CHP



ITEM	Parameter
H1	2896mm
H2	4488mm
L	12192mm
W	3000mm
Weight	28500kg

#### Automatic operation system

Adopt advanced intelligent control system and LED display screen; Data-read easily; rich information and high reliability

Locally or remotely logged on to monitor and control genset

#### Automatic oil refilling system

The oil level controller monitors the engine oil at any time. When the level is lower than the set point, daily auxiliary oil pump will fill automatically until reaching the set point

#### Detonation control system

Based on the signals from sensors, the controller can adjust ignition timing, reduce load or shutdown to avoid detonation

#### Cylinder temperature protection system

Temperature sensors measure the combustion or exhaust gas temperature and monitor engine's operation and ensure normal operation

#### Gas leakage protection device

This avoids gas leakage and once the gas leaks, gas pipeline will be turned off and alarms will be sent out

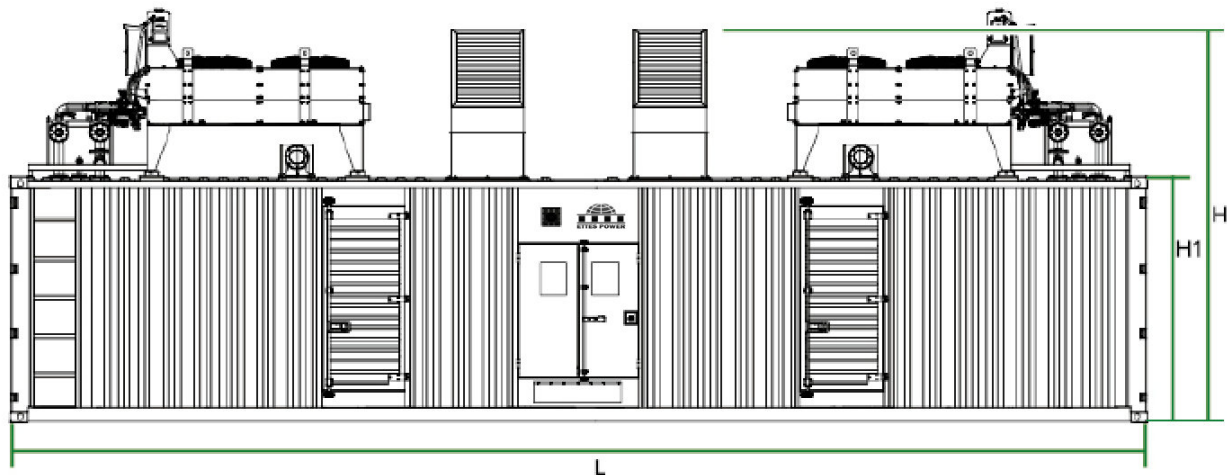
#### Support OSC service system

Easy connection to the computer for convenient data share and control

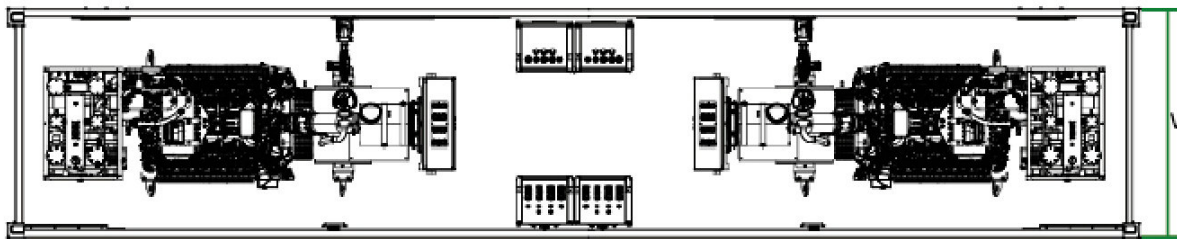
Achieving remote monitor and inspection, inspection aid and faults diagnosis



## Reference Structure Type-EPC1040 (2×520kW)



**Ettes Power Gas Engine Generation & CHP**



ITEM	Parameter
H1	2896mm
H2	4488mm
L	12192mm
W	2438mm
Weight	22000kg

### Automatic operation system

Adopt advanced intelligent control system and LED display screen; Data-read easily; rich information and high reliability

Locally or remotely logged on to monitor and control genset

### Automatic oil refilling system

The oil level controller monitors the engine oil at any time. When the level is lower than the set point, daily auxiliary oil pump will fill automatically until reaching the set point

### Detonation control system

Based on the signals from sensors, the controller can adjust ignition timing, reduce load or shutdown to avoid detonation

### Cylinder temperature protection system

Temperature sensors measure the combustion or exhaust gas temperature and monitor engine's operation and ensure normal operation

### Gas leakage protection device

This avoids gas leakage and once the gas leaks, gas pipeline will be turned off and alarms will be sent out

### Support OSC service system

Easy connection to the computer for convenient data share and control

Achieving remote monitor and inspection, inspection aid and faults diagnosis