MODEL	BF-P2500
Standby Power（50Hz）	2000KW /2500KVA
Prime Power（50Hz）	1818KW /2272KVA

Standard Features

General Features:
Engine (Perkins 4016-61TRG3)
Radiator 50^{O}C max, fans are driven by belt, with safety guard
24V charge alternator
Alternator: single bearing alternator IP23,insulation class H/H
Absorber
Dry type air filter, fuel filter, oil filter, coolant filter
Main line circuit breaker
Standard control panel
batteries, rack and cable
Ripple flex exhaust pipe, exhaust siphone, flange, muffler
User manual

PHOTO FOR REFERENCE ONLY

Generator Ratings

Voltage	HZ	Phase	P.F (COSΦ)	Standby Amps	Standby Ratings (KW/KVA)	Prime Ratings (KW/KVA)
440/254	50	3	0.8	3280	2000/2500	1818/2272
415/240	50	3	0.8	3478	2000/2500	1818/2272
400/230	50	3	0.8	3608	2000/2500	1818/2272
380/220	50	3	0.8	3798	2000/2500	1818/2272

Prime Power (PRP): Prime power is available for an unlimited number of annual hours in variable load application, in accordance with GB/T2820-97（eqvISO8528）; A 10% overload capability is available for a period of 1 hour within a 12-hour period of operation.

Standby Power Rating (ESP): 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.

Sales Promises

Baifa Power provides a full line of brand new and high quality products. Each and every unit is strictly factory tested.
Warranty is according to our standard conditions: 12 months or 1,000 running hours, subject to the earlier one.
Service and parts are available from Baifa Power or distributors in your location.

ENGINE DATA

Manufacturer / Model:	Perkins 4016-61TRG3，4-cycle
Air Intake System:	Turbo, Water/Air cooling
Fuel Injection System:	Direct Injection
Cylinder Arrangement:	16 in “V”
Displacement:	61.123 L
Bore and Stroke:	160×190（mm）
Compression Ratio:	13.0
Rated RPM:	1500rpm
Max. Standby Power at Rated RPM:	2183KW/2970HP
Governor Type:	Electronic
Exhaust System	
Exhaust Gas Flow(after turbo):	490m^3/min
Exhaust Temperature:	560℃
Max Back Pressure:	4kPa
Air Intake System	
Max Intake Restriction:	3.71kPa
Consumption:	175m^3/min
Air Flow:	2500m^3/min
Fuel System	
100%(Prime Power) Load:	205 g/Kw.h
75%(Prime Power) Load:	200 g/Kw.h
50%(Prime Power) Load:	204 g/Kw.h
100%(Prime Power) Load:	454.4 L/h
Oil System	
Oil Consumption:	0.52g/KWhr
Engine Oil Tank Capacity:	213L
Min Oil Pressure at Rated RPM:	340kPa
Cooling System	
Total Coolant Capacity:	350L
Thermostat:	71-85℃
Max Water Temperature:	98℃

ALTERNATOR SPECIFICATION

GENERAL DATA

Compliance with GB755, BS5000, VDE0530, NEMAMG1-22, IED34-1, CSA22.2 and AS1359 standards.

Alternator Data

Number of Phase:	3
Connecting Type:	3 Phase and 4 Wires, “Y” type connecting
Number of Bearing:	1
Power Factor:	0.8
Protection Grade:	IP23
Altitude:	≤1000m
Exciter Type:	Brushless, self-exciting
Insulation Class, Temperature Rise:	H/H
Telephone Influence Factor (TIF):	＜50
THF:	＜2%
Voltage Regulation, Steady State:	≤±1%
Alternator Capacity:	2275KVA
Alternator Efficiencies:	96.5%
Air Cooling Flow:	2.5m^3/s

GENERATING SET DATA

Voltage Regulation:	≥±5%
Voltage Regulation, Stead State:	≤±1%
Sudden Voltage Warp (100% Sudden Reduce):	≤+25%
Sudden Voltage Warp (Sudden Increase):	≤-20%
Voltage Stable Time (100% Sudden Reduce):	≤6S
Voltage Stable Time (Sudden Increase)	≤6S
Frequency Regulation, Stead State:	≤5%
Frequency Waving:	≤1%
Sudden Frequency Warp (100% Sudden Reduce):	≤+12%
Sudden Frequency Warp (Sudden Increase):	≤-10%
Frequency Recovery Time (100% Sudden Reduce):	≤5S
Frequency Recovery Time (Sudden Increase):	≤5S

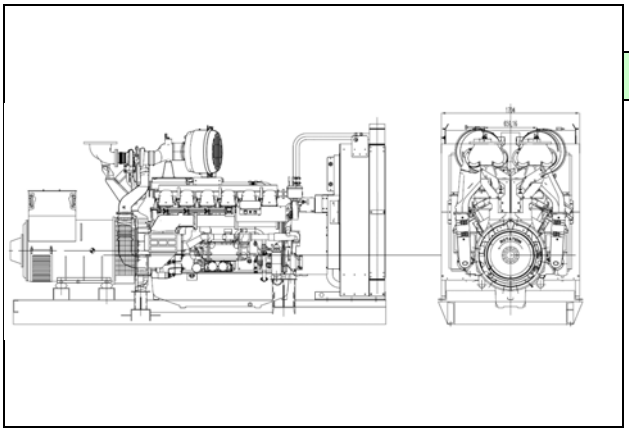
Standard Features

◇ “COMAP” Standard Auto Control System
◇ Starting batteries(Maintenance-Free & Watering-Free) with connective wires
◇ Oil Drain Valve
◇ Permanent Magnet Generator(PMG)
◇ Exhaust System(including until muffler)
◇ Documents

Options

◇ Daily Fuel Tank
◇ Battery Charger
◇ Engine Heater
◇ Water Separator
◇ Alternator Heater
◇ Rainproof Type
◇ Soundproof Type
◇ Spare Parts
◇ Remote Control Panel
◇ Paralleling System
◇ Automatic Transfer Switch
◇ Switch box

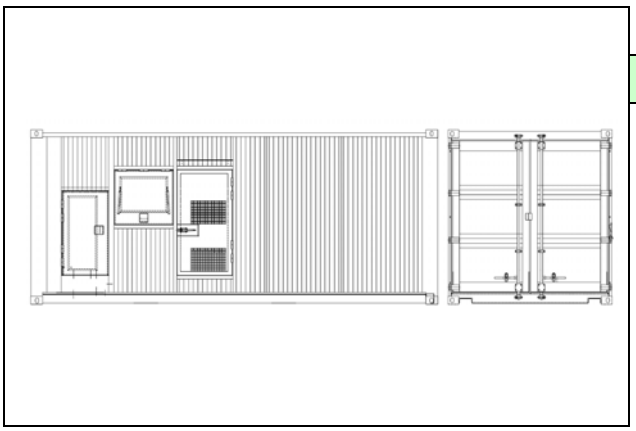
Dimension & Weight



Standard Configuration (Open Type)

Overall Size: 6000（mm）×2700（mm）×3400（mm）

Weight: 14000kg



Soundproof Type（40’ft high container）

Overall Size: 12192（mm）×2438（mm）×2896（mm）

Weight:20300kg

Auto Module Control Panel

Auto Module Control Panel is the configuration for nobody on duty controlling generators. This kind of panel adopts auto module control system, with large LCD display to show the menu.

Features: MRS10-can receive remote output signal from ATS and realize auto start and stop of generators.

MRS16-can realize all functions of MRS10, add RS232 interface which can communicate with PC to realize remote operation.

AMF25-Auto Mains Failure controller, can realize all functions of MRS16, furthermore can detect ATS and control directly.

Auto Parallel Control Panel

Automatic Parallel Control Panel This new automatic parallel system adopts intelligent modules, inserted and folded installed, no need the peripheral relay and logic circuit. The main switch adopts electronic breaker or frame breaker, combined together with the generator, which is very reliable. One generator, one panel. The panel can be used both for singly and parallel. It is only need to parallel generator with such panel when the capability needs to be enlarged in the future.