MODEL	BF-M2500
Standby Power（50Hz）	**2000KW / 2500KVA**
Prime Power（50Hz）	**1800KW / 2250KVA**

Standard Features

General Features:
Engine（MTU 16V4000G63）
Radiator 40^{O}C max, fans are driven by motor, with safety guard
24V charge alternator
Alternator: single bearing alternator IP23, insulation class H/H
Absorber
Dry type air filter, fuel filter, oil filter
Permanent Magnet Generator（PMG）
Standard control panel
Four12V batteries, rack and cable
Ripple flex exhaust pipe, exhaust siphon, 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	1800/2250
415/240	50	3	0.8	3478	2000/2500	1800/2250
400/230	50	3	0.8	3609	2000/2500	1800/2250
380/220	50	3	0.8	3798	2000/2500	1800/2250

Prime Power (PRP): Prime power is available for an unlimited number of annual hours in variable load application, in accordance with GB/T2820-97（eqv ISO8528）; 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: a, 15 months, counted on the day BAIFA sold to the first buyer; b, One year after installation; c, 1000 running hours (accumulated); subject to the earlier one.
Service and parts are available from Baifa Power or distributors in your location.

ENGINE DATA

Manufacturer / Model:	MTU/16V4000G63
Air Intake System:	Turbo, Water/Air Cooling
Fuel System:	Electronic Fuel Injection System
Cylinder Arrangement:	16 in “V”
Displacement:	76.3L
Bore and Stroke:	170*210（mm）
Compression Ratio:	16.4
Rated RPM:	1500rpm
Max. Standby Power at Rated RPM:	2185KW（without fan）
Governor Type:	ADEC

Exhaust System	
Exhaust Gas Flow:	396m^3/min
Exhaust Temperature:	490℃
Max Back Pressure:	8.5kPa
Air Intake System	
Max Intake Restriction:	5kPa
Burning Capacity:	156m^3/min
Intake Flow:	1980m^3/min
Fuel System	
100%(Prime Power) Load:	191 g/kwh
75%(Prime Power) Load:	193 g/kwh
50%(Prime Power) Load:	203 g/kwh
100%(Prime Power) Load:	436.6L/h
Oil System	
Total Oil Capacity:	300L
Oil Consumption:	0.3% Fuel Consumption
Engine Oil Tank Capacity:	210~240L
Oil Pressure at Rated RPM:	420-550kPa
Cooling System	
Engine Coolant Capacity:	225L
Thermostat:	79℃
Max Water Temperature:	104℃

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:	2250KVA
Alternator Efficiencies:	96.4%

GENERATING SET DATA

Voltage Regulation:	≥±5%
Voltage Regulation, Stead State:	≤±1%
Sudden Voltage Warp (100% Sudden Reduce):	≤+20%
Sudden Voltage Warp (Sudden Increase):	≤-15%
Voltage Stable Time (100% Sudden Reduce):	≤4S
Voltage Stable Time (Sudden Increase)	≤4S
Frequency Regulation, Stead State:	≤5% adjustable
Frequency Waving:	≤0.5%
Sudden Frequency Warp (100% Sudden Reduce):	≤+10%
Sudden Frequency Warp (Sudden Increase):	≤-7%
Frequency Recovery Time (100% Sudden Reduce):	≤3S
Frequency Recovery Time (Sudden Increase):	≤3S
Noise Level:	113dB

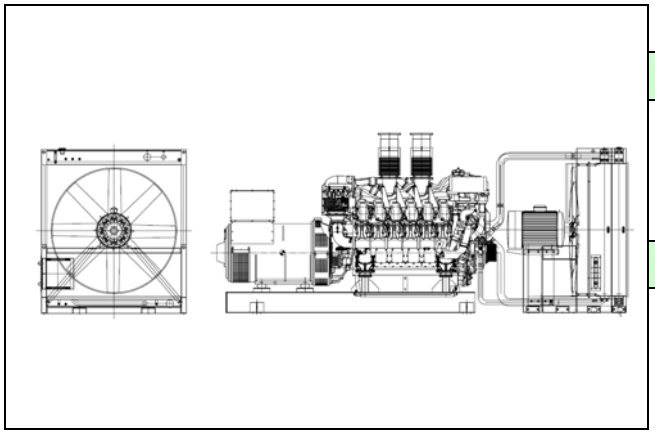
Standard Features

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

Options

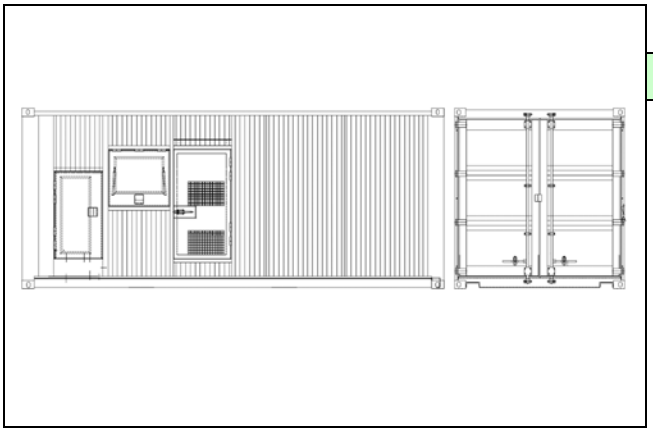
◇ Daily Fuel Tank
◇ Rainproof Type
◇ Remote Control Panel
◇ Alternator Heater
◇ Soundproof Type
◇ Paralleling System
◇ Spare Parts
◇ Trailer Type
◇ Switch box
◇ Automatic Transfer Switch

Dimension & Weight



Standard Configuration (Without Radiator)
Overall Size: 4612×1900×2200（mm）
Weight: 15600kg

Standard Configuration (With Radiator)
Overall Size: 6550×2600×2500（mm）
Weight: 17600kg



Soundproof Type（Standard 40’ft high container）
Overall Size: 12192×2438×2896（mm）
Weight: 23600kg

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.