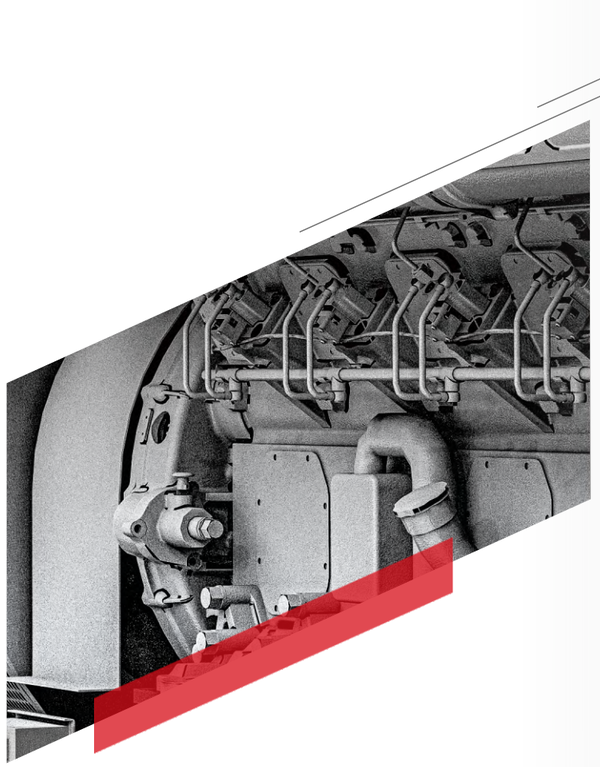
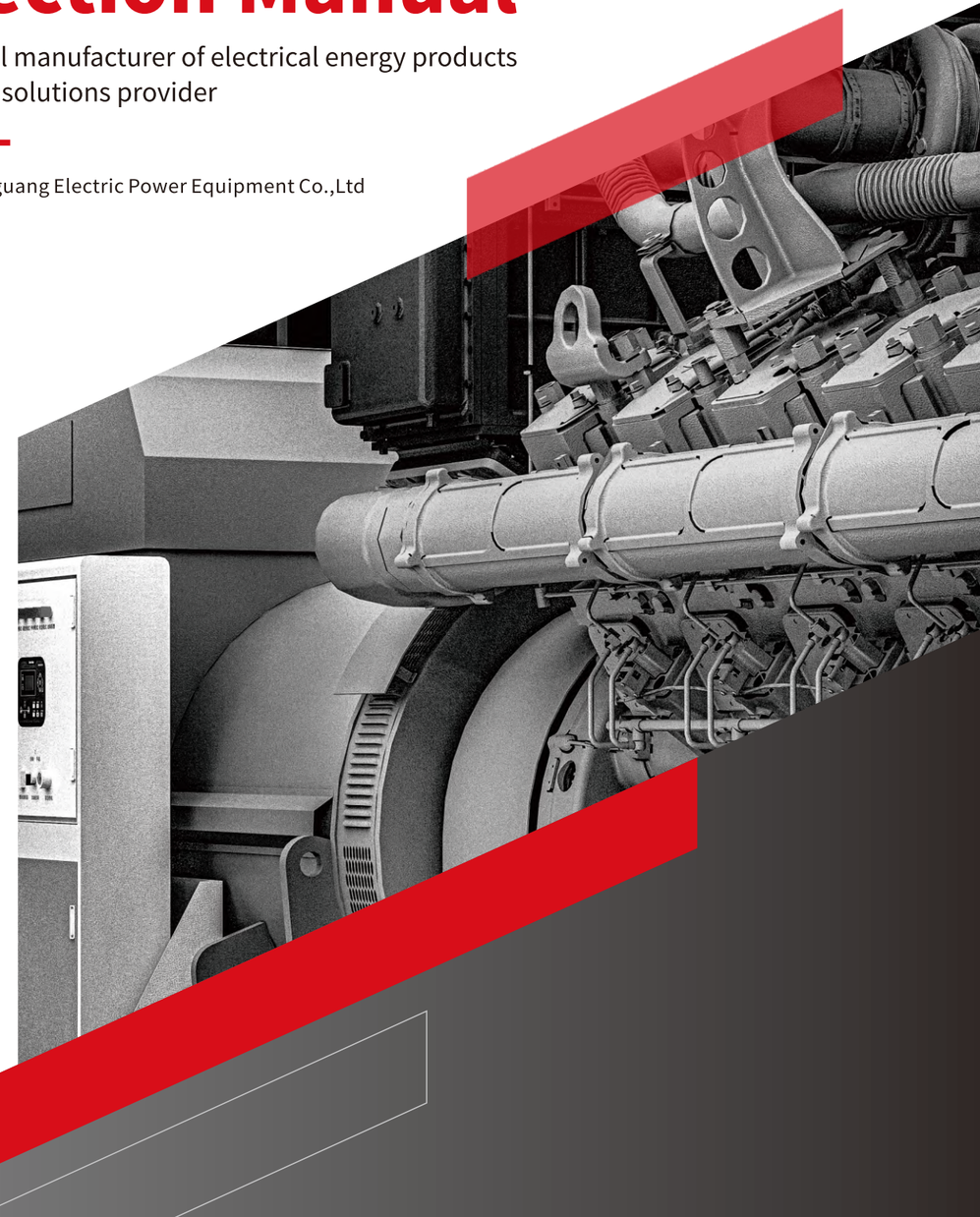


FOGUANG

Product Selection Manual

Professional manufacturer of electrical energy products and system solutions provider

Zhengzhou Foguang Electric Power Equipment Co.,Ltd



Company Name: Zhengzhou Foguang Electric Power Equipment Co., Ltd.
E-mail: foguangfadian@126.com
Address: No. 50 Dongqing Street, Zhengzhou High-Tech Development Zone
Sales Tel: 86-0371-67847001
Web: www.zzfoguang.com
Postal Code: 450001
Customer Support Hotline: 400-667-0055
Sales Fax: 86-0371-67847358
Service Tel: 400-667-0055, 0371-67980055

Official Website

WeChat Official Account
(Company’ s WeChat Channel)

FOGUANG

Professional manufacturer of electrical energy products and system solutions provider

Partners

Company Profile

Zhengzhou Foguang Electric Power Equipment Co., Ltd. is a national high-tech enterprise founded in 1995 with a registered capital of RMB110.9 million and more than 500 employees. The Company has established innovation platforms such as the National Enterprise Technology Center, the National-Local Joint Engineering Laboratory for Integrated Integration and Measurement and Control Technology of Vehicle-Mounted Power Supply, the Henan Key Laboratory of Metal Fuel Cells, an academician workstation, and a post-doctoral research workstation. The testing center has passed the certification of CNAS, a nationally accredited testing institution.

The Company has more than 900 authorized patents and software copyrights, and has presided over and participated in the formulation and revision of over 30 national standards, national military standards, and industry standards. The Company has a complete R&D and production system, has established a digital R&D management platform, and has the ability to mass-produce and customize products. Our power solutions encompass AC and DC systems ranging from 1kW to 3,000 kW, supporting power frequency, intermediate frequency, and low/medium/high voltage applications. The products include generator sets, trailer power station，slient power station,automobile power stations, controllers, motors, intelligent power units, new energy power stations, etc.

The Company strictly complies with the requirements of the ISO 9001 quality management system to achieve full-process quality control of products, ensuring the effective operation and continuous improvement of the system. The enterprise has established a sound after-sales service system with rapid response, set up a 24-hour service hotline and emergency service team, has comprehensive support capabilities covering the entire domestic service emergency disposal, and provides full life-cycle service support.

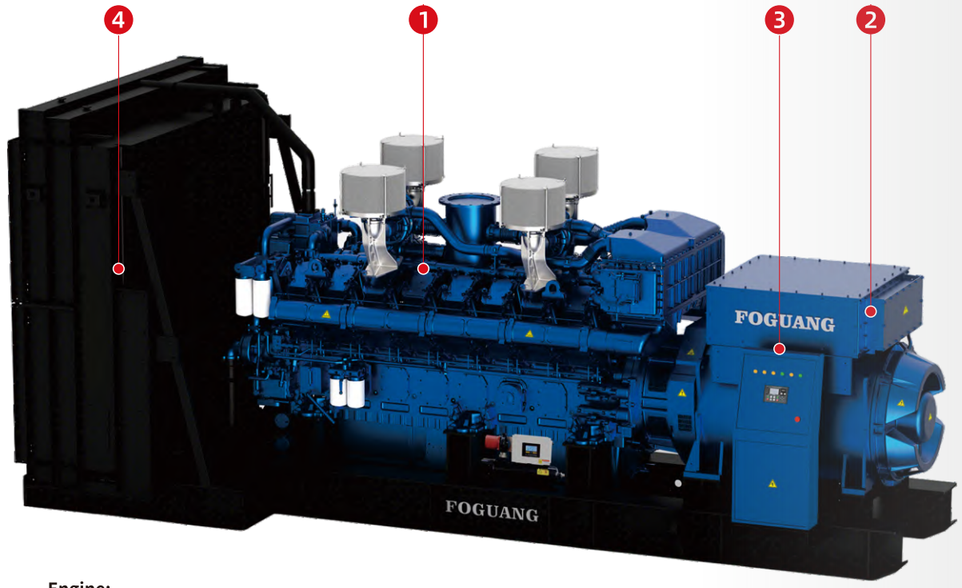
- Founded in **1995**
- Registered capital of RMB**110.9** million
- More than **500** employees
- More than **900** patents and software copyrights

Table of Contents

Generator Sets Series

Power Range (1kW~3000kW)

- **Powerful:** Equipped with high-performance engines with stable and reliable output power, which can adapt to heavy-load working conditions.
- **Stable and reliable:** Small fluctuations in generating voltage and frequency, strong load-carrying capacity, ensuring the safe operation of electrical equipment.
- **Intelligent control:** Equipped with a digital control system, supporting automatic start-stop control, remote monitoring, and fault diagnosis.
- **Strong adaptability:** It can operate stable in a wide temperature range and high-altitude environment, with outstanding environmental adaptability.
- **Convenient maintenance:** Feature a modular design, key components are easy to overhaul, and daily maintenance is simple and efficient.
- **Flexible configuration:** Provide multiple power sections to meet the needs of different industries.
- **Safety protection:** Equipped with multiple protection functions such as overload, short circuit, overvoltage, etc., to ensure safe operation.
- **Good durability:** Adopt high-quality steel and anti-corrosion technology with a strong structure and long service life.



1. **Engine:**
Featuring comprehensive advantages such as advanced technology, strong performance, high reliability, economical fuel consumption, and long service life.

2. **Generator:**
With an excellent overload capacity, it can run overload for a short time, ensuring stable and uninterrupted power output while providing continuous and reliable power guarantee for equipment.

3. **Intelligent control system:**
The intelligent center of the generator set can precisely regulate the power generation parameters, ensuring stable, efficient, and safe power output.

4. **Diesel engine cooling system:**
It can efficiently dissipate the operating heat to ensure the stable and long-term operation of the unit at a suitable temperature.

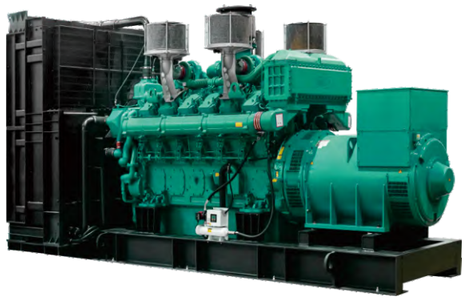
6kW Diesel Generator Set

12kW Diesel Generator Set

75kW Diesel Generator Set

120kW Diesel Generator Set

500kW Diesel Generator Set



1600kW Diesel Generator Set

FG-C Series Diesel Generator Sets

Diesel Generator Set Specifications

SN	Unit Model	Rated Power (kW)	Standby Power (kW)	Engine Model	Rated Voltage (V)	Rated Frequency (Hz)	Number of Cylinders	Bore Stroke (mm)	Displace-ment (L)	Dimensions L×W×H (mm)	Net Weight (kg)
1	FG22GFZC1	20	22	QSB3.9-G31	400/230	50	4	102×120	3.9	1761×730×1126	600
2	FG33GFZC2	30	33	4BT3.9-G2	400/230	50	6	102×120	3.9	1910×730×1160	760
3	FG33GFZC1	30	33	QSB3.9-G33	400/230	50	4	102×120	3.9	1761×730×1126	600
4	FG55GFZC2	50	55	4BTA3.9-G2	400/230	50	6	102×120	3.9	1910×730×1160	790
5	FG55GFZC1	50	55	QSB3.9-G35	400/230	50	4	102×120	3.9	2010×730×1126	650
6	FG70GFZC1	60	66	QSB3.9-G3	400/230	50	4	102×120	3.9	2055×730×1126	700
7	FG66GFZC2	60	66	4BTA3.9-G11	400/230	50	6	102×120	3.9	1960×730×1160	840
8	FG80GFZC2	75	80	4BTA3.9-G13	400/230	50	6	102×120	3.9	1910×730×1160	860
9	FG88GFZC1	80	88	QSB3.9-G39	400/230	50	4	102×120	3.9	2010×730×1126	720
10	FG88GFZC2	80	88	4BTAA3.9-G3	400/230	50	6	102×120	3.9	1910×730×1160	860
11	FG100GFZC2	90	100	6BTA5.9-G2	400/230	50	6	102×120	5.9	2380×785×1470	890
12	FG100GFZC1	90	100	QSB5.9-G30	400/230	50	4	102×120	5.9	2270×865×1288	1160
13	FG110GFZC2	100	110	6BTAA5.9-G2	400/230	50	6	102×120	5.9	2490×785×1470	1020
14	FG110GFZC1	100	110	QSB5.9-G3	400/230	50	4	102×120	5.9	2386×865×1288	1230
15	FG132GFZC1	120	132	QSB5.9-G33	400/230	50	4	102×120	5.9	2386×865×1288	1280
16	FG132GFZC2	120	132	6BTAA5.9-G12	400/230	50	6	102×120	5.9	2490×785×1470	1090
17	FG165GFZC2	150	165	6CTAA8.3-G2	400/230	50	6	114×135	8.3	2600×920×1340	1190
18	FG165GFZC1	150	165	QSB6.7-G32	400/230	50	4	107×124	6.7	2540×1100×1505	1480
19	FG220GFZC1	200	220	OSL8.9-G4	400/230	50	6	114×145	8.9	2852×1100×1505	1960
20	FG220GFZC2	200	220	6LTAA8.9-G2	400/230	50	6	114×145	8.9	2710×945×1340	1410
21	FG280GFZC1	250	280	QSL8.9-G30	400/230	50	6	114×145	8.9	2852×1100×1505	2160
22	FG280GFZC2	250	280	6LTAA9.5-G1	400/230	50	12	116.5×148	9.5	2710×945×1340	1600
23	FG330GFZC1	300	330	QSZ13-G7	400/230	50	6	130×163	13.0	3250×1145×1990	2860
24	FG330GFZC2	300	330	6ZTAA13-G3	400/230	50	12	130×163	13.0	3180×1360×1810	1760
25	FG380GFZC2	350	380	6ZTAA13-G2	400/230	50	12	130×163	13.0	3210×1360×1810	1820
26	FG440GFZC2	400	440	QSZ13-G10	400/230	50	12	130×163	13.0	3325×1145×2000	3090

FG-C Series Diesel Generator Sets

Diesel Generator Set Specifications

SN	Unit Model	Rated Power (kW)	Standby Power (kW)	Engine Model	Rated Voltage (V)	Rated Frequency (Hz)	Number of Cylinders	Bore Stroke (mm)	Displace-ment (L)	Dimensions L×W×H (mm)	Net Weight (kg)
1	FG220GFZC	200	220	QSNT-G6	400/230	50	6	93×105	14.0	3100×945×1770	2732
2	FG220GFZC5	200	220	NT855-GA	400/230	50	6	130×161	14.0	3100×1100×1700	2430
3	FG280GFZC3	250	280	QSNT-G1	400/230	50	6	93×105	14.0	3100×945×1770	2930
4	FG280GFZC5	250	280	NTA855-G1B	400/230	50	6	130×161	14.0	3050×1030×1700	2650
5	FG330GFZC5	300	330	NTAA855-G7	400/230	50	6	170×185	14.0	3370×1170×1870	2750
6	FG350GFZC3	320	350	QSNT-G3	400/230	50	6	93×105	14.0	3190×1160×1770	3070
7	FG400GFZC3	350	400	QSNT-G4X	400/230	50	6	98×105	14.0	3220×1160×1770	3150
8	FG400GFZC5	350	400	KTA19-G3	400/230	50	6	159×159	19.0	3550×1170×1900	3240
9	FG450GFZC3	400	450	QSK19-G13	400/230	50	6	98×105	19.0	3470×1380×2050	3820
10	FG440GFZC5	400	440	KTA19-G4	400/230	50	6	159×159	19.0	3420×1355×1900	3480
11	FG550GFZC3	500	555	KTA19-G8A	400/230	50	6	98×105	19.0	3550×1400×2050	3850
12	FG550GFZC5	500	550	KT38-G	400/230	50	12	159×159	38.0	4000×1810×2370	5750
13	FG660GFZC3	600	660	QSK19-G20	400/230	50	6	105×124	19.0	3550×1608×2050	4480
14	FG660GFZC5	600	660	KTA38-G2	400/230	50	12	159×159	38.0	4000×1810×2370	6300
15	FG800GFZC3	700	800	QSK38-G9	400/230	50	12	105×124	38.0	4400×2050×2510	6510
16	FG800GFZC5	700	800	KTA38-G2A	400/230	50	12	159×159	38.0	4100×1810×2370	6450
17	FG880GFZC3	800	880	QSK38-G10	400/230	50	12	105×124	38.0	4400×2050×2510	6510
18	FG900GFZC5	800	900	KTA38-G5	400/230	50	12	159×159	38.0	4310×2030×2230	6560
19	FG1000GFZC3	900	1000	KTA38-G9E	400/230	50	12	105×124	38.0	4410×2030×2230	7200
20	FG1100GFZC3	1000	1100	KTA38-G9A	400/230	50	12	105×124	38.0	4410×2030×2230	7200
21	FG1100GFZC5	1000	1100	KTA50-G3	400/230	50	12	170×210	50.3	4950×2050×2390	9200
22	FG1200GFZC3	1100	1200	KTA50-G7E	400/230	50	12	114×144	50.3	4950×2050×2386	9050
23	FG1200GFZC5	1100	1200	KTA50-G8	400/230	50	12	170×210	50.3	4950×2050×2390	9300
24	FG1300GFZC5	1180	1300	KTA50-GS8	400/230	50	12	170×210	50.3	4890×2050×2390	9200
25	FG1300GFZC3	1200	1300	KTA50-G8E	400/230	50	12	128×153	50.3	4890×2050×2386	10300
26	FG1500GFZC3	1300	1500	KTA50-G15A	400/230	50	12	128×153	50.3	5010×2050×2386	9500
27	FG1450GFZC5	1300	1450	KTA50-G15X	400/230	50	12	170×210	50.3	5010×2050×2390	9500
28	FG1600GFZ2-HY	1500	1600	QSK60-G3	400/230	50	16	159×160	60.2	6206×2494×2800	16000
29	FG1800GFZ2-HY	1600	1800	QSK60-G4	400/230	50	16	159×160	60.2	6206×2494×2800	16500
30	FG2000GFZ2-HY	1800	2000	QSK60-G8	105000	50	16	159×160	60.2	6206×2494×2800	17500
31	FG2200GFZ2-HY	2000	2200	QSK60-G23	105000	50	16	159×160	60.2	6206×2492×2800	19000
32	FG2400GFZ2-HY	2200	2400	QSK78-G9	105000	50	16	159×160	77.6	7414×2481×3494	25500

FG-Y Series Diesel Generator Sets

Diesel Generator Set Specifications

SN	Unit Model	Rated Power (kW)	Standby Power (kW)	Engine Model	Rated Voltage (V)	Rated Frequency (Hz)	Number of Cylinders	Bore Stroke (mm)	Displace-ment (L)	Dimensions L×W×H (mm)	Net Weight (kg)
1	FG18GFZY	15	18	YCDV254FHZ-25	400/230	50	4	89×100	2.5	1480×630×1160	554
2	FG22GFZY	20	22	YCDV254FHZ-35	400/230	50	4	89×100	2.5	1550×630×1160	577
3	FG33GFZY	30	33	YCDV254FHZ-50	400/230	50	4	89×100	2.5	1620×630×1160	610
4	FG44GFZY	40	44	YCD4V33H6-75	400/230	50	4	89×100	2.5	1750×650×1200	650
5	FG55GFZY	50	55	YC4D90-D34	400/230	50	4	102×118	3.9	1880×700×1200	800
6	FG65GFZY	60	65	YC4D105-D34	400/230	50	4	110×125	4.8	2000×720×1200	940
7	FG90GFZY	80	90	YC4D140-D31	400/230	50	4	110×125	4.8	2000×700×1200	1020
8	FG100GFZY	90	100	YC4D155-D31	400/230	50	4	108×115	4.2	2404×800×1250	1040
9	FG120GFZY	100	120	YC4A190-D30	400/230	50	4	108×132	4.8	2640×800×1250	1110
10	FG132GFZY	120	132	YC6A205-D30	400/230	50	6	108×132	7.3	2760×1000×1360	1440
11	FG150GFZY	140	150	YC6A230-D30	400/230	50	6	108×132	7.3	2800×1000×1360	1500
12	FG165GFZY	150	165	YC6A275-D30	400/230	50	6	108×132	7.3	2850×1000×1360	1560
13	FG220GFZY	200	220	YCA08350-D30	400/230	50	6	110×132	7.5	2900×1000×1360	1700
14	FG220GFZY	200	220	YC6MK350-D30	400/230	50	6	123×145	10.3	3320×1200×1500	2000
15	FG275GFZY	250	275	YC6MK420-D30	400/230	50	6	123×145	10.3	3420×1200×1500	2200
16	FG330GFZY	300	330	YC6MJ500-D30	400/230	50	6	131×145	11.7	3500×1200×1500	2350
17	FG340GFZY	320	340	YC6MJ550-D30	400/230	50	6	131×145	11.7	3550×1200×1550	2400
18	FG400GFZY	350	400	YC6MJ600-D30	400/230	50	6	131×145	11.7	3600×1230×1650	2480
19	FG440GFZY	400	440	YC6T660-D31	400/230	50	6	145×165	16.4	3900×1300×1650	2610
20	FG500GFZY	450	500	YC6TD780-D31	400/230	50	6	152×180	19.6	3680×1500×1900	4700
21	FG550GFZY	500	550	YC6TD840-D31	400/230	50	6	152×180	19.6	3700×1500×1900	5000

Diesel Generator Set Specifications

SN	Unit Model	Rated Power (kW)	Standby Power (kW)	Engine Model	Rated Voltage (V)	Rated Frequency (Hz)	Number of Cylinders	Bore Stroke (mm)	Displace-ment (L)	Dimensions L×W×H (mm)	Net Weight (kg)
22	FG600GFZY	550	600	YC6TD900-D31	400/230	50	6	152×180	19.6	4100×1700×1900	5100
23	FG660GFZY	600	660	YC6TD1000-D30	400/230	50	6	152×180	19.6	4220×1900×2000	5300
24	FG710GFZY	650	710	YC6TH1070-D31	400/230	50	6	175×195	28.1	4300×2000×2250	6800
25	FG800GFZY	700	800	YC6TH1220-D31	400/230	50	6	175×195	28.1	4530×2000×2200	6900
26	FG880GFZY	800	880	YC6TH1320-D31	400/230	50	6	175×195	28.1	4696×2000×2200	7000
27	FG880GFZY	800	880	YC6C1320-D31	400/230	50	6	200×210	39.6	5400×2200×2500	7700
28	FG1000GFZY	900	1000	YC6C1520-D31	400/230	50	6	200×210	39.6	5470×2200×2500	7830
29	FG1100GFZY	1000	1100	YC6C1660-D31	400/230	50	6	200×210	39.6	5210×2200×2300	8200
30	FG1200GFZY	1100	1200	YC12VTD1830-D30	400/230	50	12	152×180	39.2	4470×2100×2300	9210
31	FG1300GFZY	1200	1300	YC12VTD2000-D30	400/230	50	12	152×180	39.2	4550×2100×2300	9300
32	FG1450GFZY	1300	1450	YC16VTD2270-D30	400/230	50	16	152×180	52.3	5330×2250×2500	11650
33	FG1650GFZY	1500	1650	YC16VTD2510-D30	400/230	50	16	152×180	52.3	5630×2500×2800	12330
34	FG1720GFZY	1600	1720	YC16VTD2700-D30	400/230	50	16	152×180	52.3	5630×2500×2800	12630
35	FG2000GFZY	1800	2000	YC12VC3000-D30	400/230 or 10500	50	16	200×210	79.2	5870×2500×3000	19500
36	FG2200GFZY	2000	2200	YC16VC3300-D31	400/230 or 10500	50	16	200×210	105.6	7450×2910×3260	22500
37	FG2400GFZY	2200	2400	YC16VC3600-D31	400/230 or 10500	50	16	200×210	105.6	7450×2910×3260	23000
38	FG2600GFZY	2400	2600	YC16VC4000-D31	400/230 or 10500	50	16	200×210	105.6	7600×2950×3350	24000
39	FG3000GFZY	2600	2800	YC16VC4200-D30	400/230 or 10500	50	16	200×210	105.6	7600×2950×3350	25000
40	FG3300GFZY	2800	3000	YC16VC4500-D30	400/230 or 10500	50	16	200×210	105.6	7600×2950×3350	26000
41	FG3600GFZY	3000	3300	YC16VC4900-D30	400/230 or 10500	50	16	200×210	105.6	7600×2950×3350	27000

FG-W Series Diesel Generator Sets

WEICHAI 潍柴

Diesel Generator Set Specifications

SN	Unit Model	Rated Power (kW)	Standby Power (kW)	Engine Model	Rated Voltage (V)	Rated Frequency (Hz)	Number of Cylinders	Bore Stroke (mm)	Displace-ment (L)	Dimensions L×W×H (mm)	Net Weight (kg)
1	FG18GFZW	16	18	WP2.3D25E200	400/230	50	4	89×92	2.3	1760×820×1300	700
2	FG26GFZW	24	26	WP2.3D33E200	400/230	50	4	89×92	2.3	1760×820×1300	800
3	FG33GFZW	30	33	WP2.3D40E200	400/230	50	4	89×92	2.3	1760×820×1300	800
4	FG40GFZW	36	40	WP2.3D48E200	400/230	50	4	89×92	2.3	1840×820×1320	800
5	FG55GFZW	50	55	WP4.1D66E200	400/230	50	4	105×118	4.087	1840×820×1320	920
6	FG70GFZW	64	70	WP4.1D80E200	400/230	50	4	105×118	4.087	1900×900×1350	920
7	FG100GFZW	80	100	WP4.1D113E200	400/230	50	4	105×118	4.087	1900×900×1350	920
8	FG120GFZW	100	120	WP6D132E200	400/230	50	6	105×130	6.75	2550×960×1590	1300
9	FG132GFZW	120	132	WP6D152E200	400/230	50	6	105×130	6.75	2550×960×1590	1700
10	FG150GFZW	136	150	WP6D167E200^	400/230	50	6	105×130	6.75	2550×960×1590	1700
11	FG176GFZW	160	176	WP10D200E200	400/230	50	6	126×130	9.726	2700×950×1500	1700
12	FG200GFZW	184	200	WP10D238E200	400/230	50	6	126×130	9.726	2700×950×1500	1700
13	FG220GFZW	200	220	WP10D264E200	400/230	50	6	126×130	9.726	2700×950×1500	1700
14	FG280GFZW	250	280	WP10D320E200	400/230	50	6	126×130	9.726	3000×1360×2130	3100
15	FG300GFZW	250	300	WP12D353E200	400/230	50	6	126×155	11.596	3000×1360×2130	3100
16	FG320GFZW	300	320	WP13D385E200	400/230	50	6	127×165	12.54	3000×1360×2130	3100
17	FG400GFZW	350	400	WP13D440E310	400/230	50	6	127×165	12.54	3000×1360×2130	3100
18	FG440GFZW	400	440	WP13D490E310	400/230	50	6	127×165	12.54	3400×1360×2130	4500
19	FG520GFZW	460	520	6M33D572E200	400/230	50	6	150×185	19.6	3400×1360×2130	4500
20	FG580GFZW	520	580	6M33D633E200	400/230	50	6	150×185	19.6	3700×1650×2100	4800
21	FG600GFZW	540	600	6M33D670E200	400/230	50	6	150×185	19.6	3700×1650×2100	4800
22	FG650GFZW	600	650	6M33D725E310	400/230	50	6	150×185	19.6	3700×1650×2100	4800
23	FG720GFZW	640	720	8M33D800E200	400/230	50	8	150×185	26.14	3700×1650×2100	7200

WEICHAI 潍柴

Diesel Generator Set Specifications

SN	Unit Model	Rated Power (kW)	Standby Power (kW)	Engine Model	Rated Voltage (V)	Rated Frequency (Hz)	Number of Cylinders	Bore Stroke (mm)	Displace-ment (L)	Dimensions L×W×H (mm)	Net Weight (kg)
24	FG800GFZW	720	800	8M33D890E200	400/230	50	8	150×185	26.14	3700×1650×2100	7200
25	FG880GFZW	800	880	8M33D975E310	400/230	50	8	150×185	26.14	4400×2060×2620	7500
26	FG700GFZW	640	700	12M26D792E200	400/230	50	12	150×150	31.8	4400×2060×2620	8000
27	FG800GFZW	720	800	12M26D902E200	400/230	50	12	150×150	31.8	4400×2060×2620	8000
28	FG880GFZW	800	880	12M26D968E200	400/230	50	12	150×150	31.8	4400×2060×2620	8000
29	FG1000GFZW	900	1000	12M33D1108E200	400/230	50	12	150×185	39.2	4400×2060×2620	8000
30	FG1100GFZW	1000	1100	12M33D1210E200	400/230	50	12	150×185	39.2	4400×2060×2620	8000
31	FG1200GFZW	1100	1200	12M33D1320E200	400/230	50	12	150×185	39.2	5500×2180×2520	11000
32	FG1320GFZW	1200	1320	12M33D1500E310	400/230	50	12	150×185	39.2	5500×2180×2520	11000
33	FG1400GFZW	1250	1400	16M33D1530E310	400/230	50	16	150×185	52.3	5500×2180×2520	11000
34	FG1520GFZW	1400	1520	16M33D1680E310	400/230	50	16	150×185	52.3	5500×2180×2520	11000
35	FG1650GFZW	1500	1650	16M33D1800E310	400/230	50	16	150×185	52.3	5500×2720×2570	11000
36	FG1800GFZW	1600	1800	16M33D1980E310	400/230	50	16	150×185	52.3	5500×2720×2570	11000
37	FG1800GFZW	1600	1800	20M33D2020E310	400/230	50	20	150×185	65.4	6200×2760×3280	16000
38	FG2000GFZW	1800	2000	20M33D2210E310	400/230 or 10500	50	20	150×185	65.4	6200×2760×3280	16000
39	FG2000GFZW	1800	2000	12M55D2210E310	400/230 or 10500	50	12	180×215	65.65	7200×2910×3260	21000
40	FG2200GFZW	2000	2200	12M55D2450E310	400/230 or 10500	50	12	180×215	65.65	7200×2910×3260	21500
41	FG2400GFZW	2200	2400	12M55D2700E310	400/230 or 10500	50	12	180×215	65.65	7200×2910×3260	22500
42	FG2500GFZW	2250	2500	16M55D2750E310	400/230 or 10500	50	16	180×215	87.5	7400×2950×3350	24000
43	FG2650GFZW	2400	2650	16M55D2900E310	400/230 or 10500	50	16	180×215	87.5	7400×2950×3350	24500
44	FG3000GFZW	2600	3000	16M55D3300E310	400/230 or 10500	50	16	180×215	87.5	7400×2950×3350	25000
45	FG3300GFZW	3000	3300	16M55D3600E310	400/230 or 10500	50	16	180×215	87.5	7400×2950×3350	26000

FG-S Series Diesel Generator Sets

Diesel Generator Set Specifications

SN	Unit Model	Rated Power (kW)	Standby Power (kW)	Engine Model	Rated Voltage (V)	Rated Frequency (Hz)	Number of Cylinders	Bore Stroke (mm)	Displace-ment (L)	Dimensions L×W×H (mm)	Net Weight (kg)
1	FG18GFZS	15	18	4Z2.9-G42	400/230	50	4	93×105	2.9	1600×630×1000	610
2	FG22GFZS	20	22	4Z2.9-G41	400/230	50	4	93×105	2.9	1600×630×1000	620
3	FG33GFZS	30	33	4Z3.2-G41	400/230	50	4	93×105	2.9	1530×650×900	640
4	FG44GFZS	40	44	4ZTAA3.2-G32	400/230	50	4	98×105	3.2	1680×650×1000	700
5	FG55GFZS	50	55	4ZTAA3.2-G31	400/230	50	4	98×105	3.2	1750×650×1000	790
6	FG70GFZS	60	70	4ZTAA3.5-G31	400/230	50	4	98×105	3.2	1800×700×1100	920
7	FG90GFZS	80	90	4HTAA4.3-G34	400/230	50	4	105×124	4.3	2100×800×1200	1050
8	FG100GFZS	90	100	4HTAA4.3-G35	400/230	50	4	105×124	4.3	2100×800×1200	1070
9	FG120GFZS	100	120	4HTAA4.3-G36	400/230	50	4	105×124	4.3	2170×800×1200	1120
10	FG120GFZS	120	132	6HTAA6.5-G32	400/230	50	6	105×124	6.5	2500×900×1280	1400
11	FG165GFZS	150	165	6HTAA6.5-G33	400/230	50	6	105×124	6.5	2560×900×1280	1460
12	FG220GFZS	200	220	6DTAA8.9-G33	400/230	50	6	114×144	8.9	2700×960×1400	1950
13	FG280GFZS	250	280	6ETAA11.8-G32	400/230	50	6	128×153	11.8	3200×1160×1580	2380
14	FG330GFZS	300	330	6ETAA11.8-G31	400/230	50	6	128×153	11.8	3200×1160×1580	2450
15	FG400GFZS	350	400	6ETAA12.8-G31	400/230	50	6	130×161	12.8	3200×1160×1580	2550
16	FG440GFZS	400	440	6ETAA12.8-G310	400/230	50	6	130×161	12.8	3250×1160×1580	2680
17	FG550GFZS	500	550	6KTAA25-G39	400/230	50	6	170×185	25.2	3700×1610×2010	4620
18	FG660GFZS	600	660	6KTAA25-G32	400/230	50	6	170×185	25.2	3820×1610×2010	4920
19	FG800GFZS	700	800	6KTAA25-G320	400/230	50	6	170×185	25.2	3820×1610×2010	5500
20	FG900GFZS	800	900	6KTAA25-G321	400/230	50	6	170×185	25.2	3820×1610×2010	5630
21	FG1000GFZS	900	1000	6WTAA35-G310	400/230	50	6	186×215	35.1	4400×2000×2360	7850
22	FG1100GFZS	1000	1100	6WTAA35-G311	400/230	50	6	186×215	35.1	4400×2000×2360	7870
23	FG1200GFZS	1100	1200	12KTA58-G36	400/230	50	12	170×210	57.2	5300×2320×2500	12300
24	FG1350GFZS	1200	1350	12KTA58-G35	400/230	50	12	170×210	57.2	5350×2320×2500	13500
25	FG1450GFZS	1300	1450	12KTA58-G34	400/230	50	12	170×210	57.2	5400×2320×2500	14000
26	FG1650GFZS	1500	1650	12KTA58-G33	400/230	50	12	170×210	57.2	5500×2320×2500	14600
27	FG1800GFZS	1600	1800	12KTA58-G32	400/230	50	12	170×210	57.2	5500×2620×2860	15000
28	FG2000GFZS	1800	2000	12KTA58-G31	400/230	50	12	170×210	57.2	5600×2620×2860	15800

FG-P Series Diesel Generator Sets

Diesel Generator Set Specifications

SN	Unit Model	Rated Power (kW)	Standby Power (kW)	Engine Model	Rated Voltage (V)	Rated Frequency (Hz)	Number of Cylinders	Bore Stroke (mm)	Displace-ment (L)	Dimensions L×W×H (mm)	Net Weight (kg)
1	FG11GFZP	10	11	403A-15G2	400/230	50	4	84×90	1.496	1350×750×1050	470
2	FG16GFZP	15	16	404A-22G1	400/230	50	4	84×100	2.216	1350×750×1050	540
3	FG25GFZP	22	25	404D-22TG	400/230	50	4	84×100	2.216	1160×780×1170	840
4	FG30GFZP	24	30	1103A-33G	400/230	50	3	105×127	3.3	1500×850×1200	790
5	FG40GFZP	36	40	1103A-33TG1	400/230	50	4	105×127	3.3	1650×850×1200	890
6	FG55GFZP	50	55	1104A-44TG1	400/230	50	4	105×127	4.4	1850×850×1200	970
7	FG66GFZP	60	66	1104A-44TG2	400/230	50	4	105×127	4.4	1900×850×1200	990
8	FG88GFZP	80	88	1104C-44TAG2	400/230	50	4	105×127	4.4	1900×850×1200	1030
9	FG120GFZP	108	120	1106A-70TG1	400/230	50	6	105×135	7	2200×850×1300	1250
10	FG144GFZP	120	144	1106A-70TAG2	400/230	50	6	105×135	7	2200×850×1300	1250
11	FG160GFZP	144	160	1106A-70TAG3	400/230	50	6	105×135	7	2200×850×1300	1250
12	FG176GFZP	160	176	1106A-70TAG4	400/230	50	6	105×135	7	2500×850×1400	1515
13	FG200GFZP	184	200	1206A-E70TTAG2	400/230	50	6	105×135	7.01	2600×900×1400	1700
14	FG220GFZP	200	220	1206A-E70TTAG3	400/230	50	6	105×135	7.01	2600×900×1400	1700
15	FG265GFZP	240	265	1706A-E93TAG1	400/230	50	6	115×149	9.3	2700×900×1500	1800
16	FG300GFZP	280	300	2206C-E13TAG2	400/230	50	6	130×157	13	3280×1120×1950	3160
17	FG330GFZP	300	330	2206C-E13TAG3	400/230	50	6	130×157	13	3280×1120×1950	3300
18	FG385GFZP	350	385	2506C-E15TAG1	400/230	50	6	137×171	15	3310×1120×1950	3800
19	FG440GFZP	400	440	2506C-E15TAG2	400/230	50	6	137×171	15	3310×1120×1950	3940
20	FG500GFZP	455	500	2806C-E18TAG1A	400/230	50	6	145×183	18	4100×1500×2100	4706
21	FG550GFZP	500	550	2806A-E18TAG2	400/230	50	6	145×183	18	4100×1500×2100	4706
22	FG635GFZP	580	635	4006-23TAG2A	400/230	50	6	130×157	23	4450×1750×2350	6059
23	FG700GFZP	640	700	4006-23TAG3A	400/230	50	6	130×157	23	4450×1750×2350	6059
24	FG770GFZP	700	770	4008TAG1A	400/230	50	8	160×190	30.5	4850×1870×2350	7611
25	FG880GFZP	800	880	4008TAG2A	400/230	50	8	160×190	30.5	4850×1870×2350	7611
26	FG950GFZP	880	950	4008-30TAG3	400/230	50	8	160×190	30	4850×2000×2350	7611
27	FG1050GFZP	950	1050	4012-46TWG2A	400/230	50	12	160×190	46	4900×2070×2550	9154
28	FG1100GFZP	1050	1100	4012-46TWG3A	400/230	50	12	160×190	46	4900×2070×2550	9154
29	FG1300GFZP	1200	1300	4012-46TAG2A	400/230	50	12	160×190	46	5180×2070×2550	10188
30	FG1400GFZP	1300	1400	4012-46TAG3A	400/230	50	12	160×190	46	5180×2070×2550	10188
31	FG1600GFZP	1450	1600	4016TAG1A	400/230	50	16	160×190	61	5725×2300×2600	13400
32	FG1800GFZP	1646	1800	4016TAG2A	400/230	50	16	160×190	61	5725×2300×2600	13400
33	FG1980GFZP	1800	1980	4016-61TRG3	400/230	50	16	160×190	61	6800×2300×2600	15500
34	FG2200GFZP	2000	2200	4016-61TRG3X	400/230	50	16	160×190	61	6800×2300×2600	15500

FG-V Series Diesel Generator Sets

VOLVO PENTA

Diesel Generator Set Specifications

SN	Unit Model	Rated Power (kW)	Standby Power (kW)	Engine Model	Rated Voltage (V)	Rated Frequency (Hz)	Number of Cylinders	Bore Stroke (mm)	Displace-ment (L)	Dimensions L×W×H (mm)	Net Weight (kg)
1	FG86GFZW	80	86	TAD580VE	400/230	50	4	110×135	5.13	2100×1100×1550	1200
2	FG110GFZW	100	110	TAD582VE	400/230	50	4	110×135	5.13	2200×1100×1550	1400
3	FG132GFZW	120	132	TAD880VE	400/230	50	6	110×135	7.2	2500×1100×1618	1600
4	FG165GFZW	150	165	TAD882VE	400/230	50	6	110×135	7.2	2500×1100×1618	1600
5	FG176GFZW	160	176	TAD840GE-B	400/230	50	6	110×135	7.2	2500×1100×1618	1800
6	FG220GFZW	200	220	TAD841GE	400/230	50	6	110×135	7.7	2500×1100×1618	2500
7	FG264GFZW	240	264	TAD842GE	400/230	50	6	110×135	7.7	3000×1400×1850	2700
8	FG275GFZW	250	275	TAD1341GE-B	400/230	50	6	131×158	12.8	2500×1100×1650	2900
9	FG308GFZW	280	308	TAD1342GE-B	400/230	50	6	131×158	12.8	2500×1100×1620	2900
10	FG330GFZW	300	330	TAD1343GE-B	400/230	50	6	131×158	12.8	3000×1400×1820	3200
11	FG352GFZW	320	352	TAD1344GE-B	400/230	50	6	131×158	12.8	3000×1400×1820	3200
12	FG396GFZW	360	396	TAD1345GE-B	400/230	50	6	131×158	12.8	3000×1400×1820	3200
13	FG440GFZW	400	440	TAD1641GE-B	400/230	50	6	144×165	16.1	3300×1450×2000	3800
14	FG520GFZW	470	520	TAD1642GE-B	400/230	50	6	144×165	16.1	3300×1450×2000	3800
15	FG610GFZW	550	610	TAD1645GE	400/230	50	6	144×165	16.1	3700×1500×2000	4000
16	FG275GFZW	250	275	TAD1351GE	400/230	50	6	131×158	12.8	2500×1100×1650	3000
17	FG330GFZW	300	330	TAD1354GE	400/230	50	6	131×158	12.8	2500×1100×1650	3000
18	FG400GFZW	360	400	TAD1650GE	400/230	50	6	144×165	16.1	3300×1450×2000	3800
19	FG440GFZW	400	440	TAD1651GE	400/230	50	6	144×165	16.1	3300×1450×2000	3800
20	FG500GFZW	460	500	TWD1652GE	400/230	50	6	144×165	16.1	3400×1450×2000	4000
21	FG550GFZW	500	550	TWD1653GE	400/230	50	6	144×165	16.1	3500×1450×2000	4200

FG-B Series Diesel Generator Sets

BAUDOUIN

Diesel Generator Set Specifications

SN	Unit Model	Rated Power (kW)	Standby Power (kW)	Engine Model	Rated Voltage (V)	Rated Frequency (Hz)	Number of Cylinders	Bore Stroke (mm)	Displace-ment (L)	Dimensions L×W×H (mm)	Net Weight (kg)
1	FG16GFZB	14	16	4M06G20/5	400/230	50	4	89×92	2.3	1760×820×1300	700
2	FG20GFZB	18	20	4M06G25/5	400/230	50	4	89×92	2.3	1760×820×1300	700
3	FG26GFZB	24	26	4M06G35/5	400/230	50	4	89×92	2.3	1760×820×1300	800
4	FG35GFZB	32	35	4M06G44/5	400/230	50	4	89×92	2.3	1840×820×1320	800
5	FG40GFZB	36	40	4M06G50/5	400/230	50	4	89×92	2.3	1840×820×1320	800
6	FG44GFZB	40	44	4M06G55/5	400/230	50	4	89×92	2.3	1840×820×1320	800
7	FG57GFZB	52	57	4M10G70/5	400/230	50	4	105×118	4.087	1840×820×1320	920
8	FG70GFZB	64	70	4M10G88/5	400/230	50	4	105×118	4.087	1900×900×1350	920
9	FG88GFZB	80	88	4M10G110/5	400/230	50	4	105×118	4.087	1900×900×1350	920
10	FG99GFZB	90	99	4M10G125/5	400/230	50	4	105×118	4.087	2550×960×1590	1300
11	FG119GFZB	108	119	6M11G150/5	400/230	50	6	105×130	6.75	2550×960×1590	1700
12	FG132GFZB	120	132	6M11G165/5	400/230	50	6	105×130	6.75	2550×960×1590	1700
13	FG143GFZB	130	143	6M11G188/5	400/230	50	6	105×130	6.75	2550×960×1590	1700
14	FG176GFZB	160	176	6M16G220/5	400/230	50	6	126×130	9.726	2700×950×1500	1700
15	FG220GFZB	200	220	6M16G275/5	400/230	50	6	126×130	9.726	2700×950×1500	1700
16	FG282GFZB	256	282	6M16G350/5	400/230	50	6	126×130	9.726	3000×1360×2130	3100
17	FG330GFZB	300	330	6M21G400/5	400/230	50	6	127×165	12.54	3000×1360×2130	3100
18	FG385GFZB	350	385	6M21G500/5	400/230	50	6	127×165	12.54	3400×1360×2130	4500
19	FG440GFZB	400	440	6M21G550/5	400/230	50	6	127×165	12.54	3400×1360×2130	4500
20	FG572GFZB	520	572	6M33G660/5	400/230	50	6	150×185	19.6	3700×1650×2100	4800
21	FG600GFZB	544	600	6M33G750/5	400/230	50	6	150×185	19.6	3700×1650×2100	4800
22	FG660GFZB	600	660	6M33G825/5	400/230	50	6	150×185	19.6	3700×1650×2100	7200
23	FG704GFZB	640	704	8M33G900/5	400/230	50	8	150×185	26.14	3700×1650×2100	7200
24	FG792GFZB	720	792	8M33G1000/5	400/230	50	8	150×185	26.14	4400×2060×2620	7500
25	FG880GFZB	800	880	8M33G1100/5	400/230	50	8	150×185	26.14	4400×2060×2620	8000
26	FG1000GFZB	920	1000	12M33G1250/5	400/230	50	12	150×185	39.2	4400×2060×2620	8000
27	FG1100GFZB	1000	1100	12M33G1400/5	400/230	50	12	150×185	39.2	5500×2180×2520	11000
28	FG1210GFZB	1100	1210	12M33G1500/5	400/230	50	12	150×185	39.2	5500×2180×2520	11000
29	FG1320GFZB	1200	1320	12M33G1650/5	400/230	50	12	150×185	39.2	5500×2180×2520	11000
30	FG1540GFZB	1400	1540	16M33G1900/5	400/230	50	16	150×185	52.3	5500×2720×2570	11000
31	FG1650GFZB	1500	1650	16M33G2000/5	400/230	50	16	150×185	52.3	5500×2720×2570	11000
32	FG1760GFZB	1600	1760	16M33G2250/5	400/230	50	16	150×185	52.3	5500×2720×2570	15400
33	FG2000GFZB	1800	2000	20M33G2500/5	400/230 or 10500	50	20	180×215	65.65	6200×2760×3280	16000
34	FG2200GFZB	2000	2200	12M55G2750/5	400/230 or 10500	50	12	180×215	65.65	7450×2910×3260	23000

FG-Mini Series Generator Sets

Gasoline Generator Set Specifications

SN	Unit Model	Rated Power (kW)	Standby Power (kW)	Engine Model	Rated Voltage (V)	Rated Frequency (Hz)	Displace-ment (L)	Dimensions L×W×H (mm)	Net Weight (kg)	Start mode
1	FG3500-III	3	3.2	SC230	230	50	0.223	596×460×500	48	Hand start
2	FG4500-III	3.5	4	SC230	230	50	0.223	596×460×500	50	Hand start
3	FG6500-III	5.5	6	SC420	230	50	0.42	700×526×580	82	Hand start
4	FG8500DE-III	7	8	SC460	230	50	0.459	700×526×580	102	Hand start
5	FG11000DE-III	8	9	SC460	230	50	0.459	700×526×580	100	Hand/electric start
6	FG11000DE-III (Dual pressure)	8	9	SC460	400/230	50	0.459	700×526×580	105	Hand/electric start
7	FG12000DE-III	9	10	SV550	400/230	50	0.55	720×550×610	108	Hand/electric start
8	FG13000	10	11	SV750	400/230	50	0.744	930×560×780	155	Electric start
9	FG13000	10	12	SC690	400/230	50	0.688	730×600×780	170	Electric start

Digital Inverter Silent Gasoline Generator Set Specifications

SN	Unit Model	Rated Power (kW)	Standby Power (kW)	Engine Model	Rated Voltage (V)	Rated Frequency (Hz)	Displace-ment (L)	Dimensions L×W×H (mm)	Net Weight (kg)	Start mode
1	FG1600I	1.1	1.2	SH60B	230	50	0.06	430×252×400	11.5	Hand start
2	FG2300I	1.7	2	SH80C	230	50	0.079	480×270×450	17	Hand start
3	FG2800I	2.2	2.5	SH100B	230	50	0.098	500×310×450	22	Hand start
4	FG4000I	3	3.5	SH150B	230	50	0.149	500×310×450	23	Hand start
5	FG4000I-O	3	3.5	SH150B	230	50	0.149	520×335×480	26	Hand/ electric/ remote start
6	FG4500I-O	3.5	4	SH160B	230	50	0.161	520×335×480	28	Hand/ electric/ remote start
7	FG5000I-O	4	4.2	SH230B	230	50	0.224	540×395×505	38	Hand/ electric/ remote start
8	FG6500I-O	5.5	6	SV320B	230	50	0.322	640×480×540	54	Hand/ electric/ remote start
9	FG10000I-O	7	8	SC460B	230	50	0.459	730×610×750	111	Hand/ electric/ remote start
10	FG12000I-O	8.2	9.2	SV460B	230	50	0.459	735×670×753	97	Hand/ electric/ remote start
11	FG14000I-O	9.5	10.5	SV550B	230	50	0.55	810×600×695	105	Hand/ electric/ remote start
12	FG21000DC-BJ	1.4	1.8	SC80	24	/	0.079	480×290×470	15	Hand/ electric/ remote start

Digital Inverter Gasoline Generator Set Specifications

SN	Unit Model	Rated Power (kW)	Standby Power (kW)	Engine Model	Rated Voltage (V)	Rated Frequency (Hz)	Displace-ment (L)	Dimensions L×W×H (mm)	Net Weight (kg)	Start mode
1	FG3200iF	3	3.2	SH150B	230	50	0.149	479×340×442	25	Hand start
2	FG5200iF	4	4.5	SH230B	230	50	0.224	540×450×525	38	Hand start
3	FG5700iF	4.5	4.8	SH230B	230	50	0.224	540×450×525	38	Hand start
4	FG8000iF-E	6	6.5	SV320B	230	50	0.322	610×470×490	50	Hand/electric start
5	FG12000iF	8.5	9	SV460B	230	50	0.459	716×534×630	83	Hand/electric start
6	FG14000iF	10	11	SV550B	230	50	0.55	720×590×620	83	Hand/electric start

Diesel Generator Set Specifications

SN	Unit Model	Rated Power (kW)	Standby Power (kW)	Engine Model	Rated Voltage (V)	Rated Frequency (Hz)	Displace-ment (L)	Dimensions L×W×H (mm)	Net Weight (kg)	Start mode
1	FG6500-CE	5.6	6.2	SC186FE	230	50	0.418	790×560×715	125	Hand/electric start
2	FG6500C-DE	5.6	6.2	SC186FE	400/230	50	0.418	790×560×715	126	Hand/electric start
3	FG8500-CE	8.12	8.75	SC192FE	230	50	0.499	790×560×715	132	Hand/electric start
4	FG8500C-DE	8.12	8.75	SC192FE	400/230	50	0.499	790×560×715	134	Hand/electric start
5	FG10000-CE	9	10	SC195FE	230	50	0.531	760×530×695	132	Hand/electric start
6	FG10000C-DE	8.12	8.75	SC192FE	400/230	50	0.531	760×530×695	134	Hand/electric start
7	FG11000-CE	10	11	SC198FE	230	50	0.633	810×540×720	147	Electric start
8	FG11000C-DE	10	11	SC198FE	400/230	50	0.633	810×540×720	149	Electric start
9	FG13000-CE	11	12	SC1102FE	230	50	0.718	822×552×732	162	Electric start
10	FG13000C-DE	11	12	SC1102FE	400/230	50	0.718	822×552×732	164	Electric start
11	FG15000C-DE	15	15	SC2V92	400/230	50	0.997	1105×650×805	217	Electric start
12	FG18000C-DE	18.8	20	SC2V95	400/230	50	1.24	1105×650×805	246	Electric start

Gas Generator Sets Series

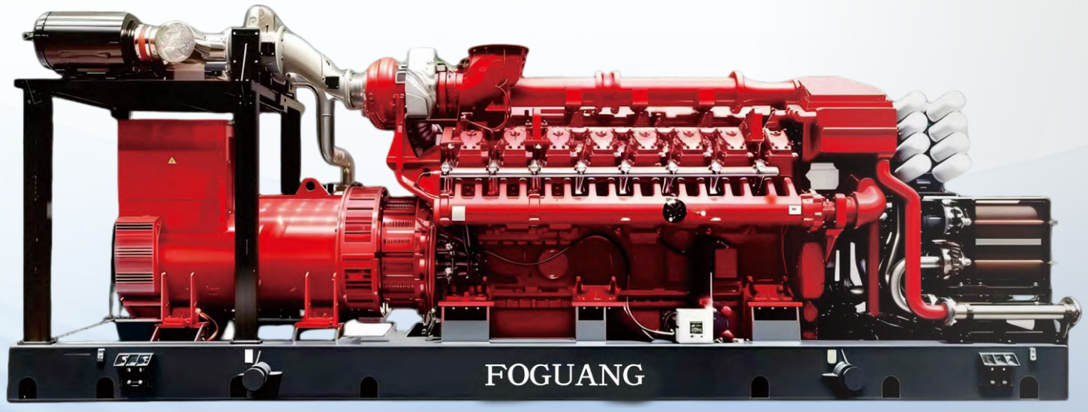
- Amid the global transition toward cleaner energy, gas is gaining increasing importance as a **highly efficient and low-carbon fuel**. Natural gas, coal bed methane, biogas, industrial waste gas, associated petroleum gas, and biomass gas are all driving green energy development.
- FOGUANG gas generator sets feature an advanced gas control system, offering **strong fuel adaptability, reliable operation, low emissions, and easy maintenance**. They provide an efficient solution for utilizing diverse gas resources.
- Natural gas distributed energy has become a key application, enabling combined cooling, heating, and power (CCHP) systems with overall **energy efficiency exceeding 80%**.

Its core advantages are reflected in three aspects:

1. **High-efficiency cascade utilization:**
High-temperature exhaust gas and jacket water heat from the internal combustion engine are recovered through waste heat boilers and lithium bromide absorption chillers for cooling and heating, significantly improving primary energy utilization efficiency.

2. **Outstanding environmental benefits:**
Compared with standard coal, natural gas reduces carbon dioxide emissions by approximately 40% at the same calorific value, while effectively lowering sulfur oxides, nitrogen oxides, and particulate emissions.

3. **Enhanced grid stability:**
The system features flexible start-stop capability It can operate during peak daytime demand and shut down at night to alleviate grid peak-valley differences. Coordinated operation with the gas system enables optimized and complementary energy structure integration.



Gas Generator Set Specifications

SN	Unit Model	Power (kW)	Voltage (V)	Frequency (Hz)	Speed (r/min)	Dimension (mm)	Net Weight (kg)
1	FG30GFZY-TQ	30	400	50	1500	1800×1000×1110	789
2	FG50GFZY-TQ	50	400	50	1500	1840×1000×1110	826
3	FG60GFZY-TQ	60	400	50	1500	1900×720×930	1100
4	FG80GFZY-TQ	80	400	50	1500	2080×965×1525	1273
5	FG90GFZY-TQ	90	400	50	1500	2280×980×1450	1370
6	FG100GFZY-TQ	100	400	50	1500	2485×965×1525	1478
7	FG150GFZY-TQ	150	400	50	1500	2840×1230×1505	1903
8	FG180GFZY-TQ	180	400	50	1500	2900×1030×1780	2500
9	FG200GFZY-TQ	200	400	50	1500	3600×1300×1780	3200
10	FG250GFZY1-TQ	250	400	50	1500	3600×1300×1780	3200
11	FG250GFZY2-TQ	250	400	50	1500	3270×1300×1760	3800
12	FG350GFZY-TQ	350	400	50	1500	3900×1850×2290	5500
13	FG500GFZY1-TQ	500	400	50	1500	3600×1500×2100	7400
14	FG500GFZY2-TQ	500	400	50	1500	4107×1633×2111	8890
15	FG600GFZY-TQ	600	400	50	1500	4107×1633×2111	8890
16	FG700GFZY-TQ	700	400	50	1500	3880×2080×2370	8000
17	FG700GFZHY-TQ	700	10500	50	1500	4415×2135×2130	9500
18	FG800GFZY-TQ	800	400	50	1500	3880×2080×2370	8000
19	FG800GFZHY-TQ	800	10500	50	1500	4415×2135×2130	9500
20	FG1000GFZY1-TQ	1000	400	50	1000	5210×2110×2660	16100
21	FG1000GFZHY1-TQ	1000	10500	50	1000	5510×2110×2660	17500
22	FG1000GFZY2-TQ	1000	400	50	1500	4618×1992×2280	11700
23	FG1000GFZHY2-TQ	1000	10500	50	1500	4918×1992×2280	12500
24	FG1100GFZY-TQ	1100	400	50	1500	4618×1992×2280	11700
25	FG1100GFZHY-TQ	1100	10500	50	1500	4918×1992×2280	12500
26	FG1500GFZY-TQ	1500	400	50	1000	7138×2086×2790	22000
27	FG1500GFZHY-TQ	1500	10500	50	1000	7138×2086×2790	22500
28	FG2000GFZY-TQ	2000	400	50	1500	8416×2055×2890	24800
29	FG2000GFZHY-TQ	2000	10500	50	1500	8834×2055×2890	25500

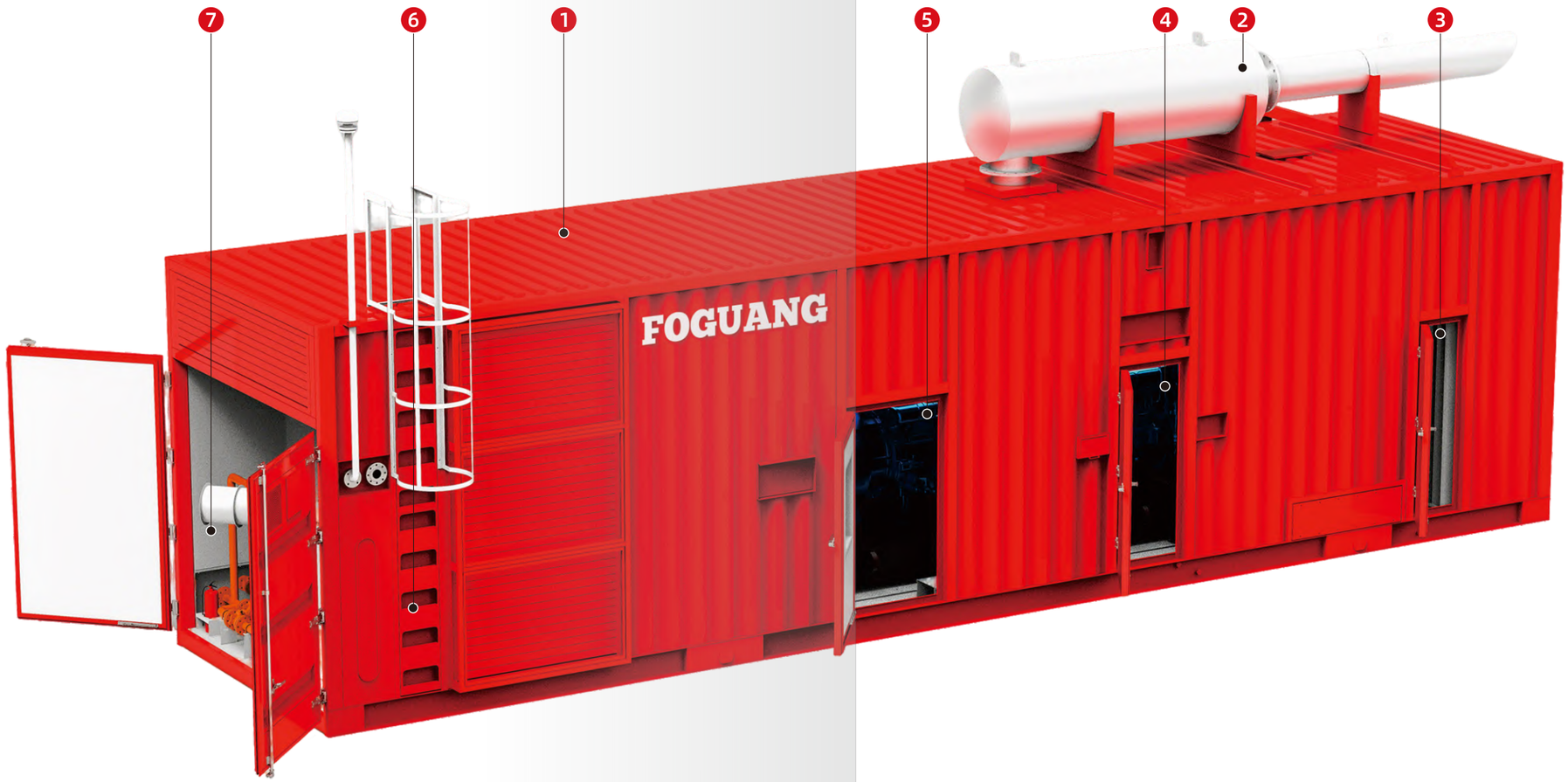
Relying on its mature gas control technology, FOGUANG’ s solutions are not limited to natural gas applications. We also provide customized generator sets and integrated power generation solutions for associated petroleum gas, coalbed methane, industrial waste gas, biogas, and other gas resources.

Silent Power Station

- **Ultra-low noise:** Composite silencing design + multi-layer sound insulation materials, ensures low operational noise.
- **Stable power supply:** High-quality unit + voltage and frequency stabilization technology, the output electric energy is stable and pure, ensuring the safe operation of equipment.
- **Flexible mobility:** With a modular design that meets the container loading specifications, it is convenient for hoisting/towing, enabling response to emergency power supply needs.
- **Strong environmental adaptability:** Resistant to high and low temperatures, moisture, and corrosion, suitable for operation in outdoor/wild/extreme environments.
- **Intelligent control:** Real-time parameter monitoring with support for remote management and fault diagnosis, ensuring easy operation and maintence.
- **Safe and reliable:** Multiple electrical protections + fire and explosion-proof design to ensure the safety of the unit and the surrounding environment.
- **Flexible customization:** Power, appearance, and auxiliary equipment can be customized on demand to adapt to multiple scenarios.

1 **Silent cabinet:**
Adopt a container or sheet metal structure with high structural strength, built-in environmental protection and noise reduction materials, which can provide a good noise reduction and operating environment for the unit.

2 **Sound attenuation and purification comprehensive treatment system:**
Noise reduction solutions can be designed according to the customer requirements for emission control and noise levels, with optional exhaust gas treatment systems available.



3 **Air exhaust chamber:**
It can realize heat dissipation, exhaust gas discharge, air pressure balance, and air circulation, ensuring safe and efficient operation of the power station.

4 **Unit room:**
The integrated assembly of generator sets, control equipment, and auxiliary systems provides an enclosed, safe, and stable operating space for the unit.

5 **Control operation room:**
Set up an observation window in line with ergonomics, through which operators can easily observe the operation status of the unit and conveniently carry out unit control operations.

6 **Boarding ladder:**
The boarding ladder is sturdy, durable, non-slip, and safe, providing convenient and stable access for safe personnel boarding and disembarking the cabin. It is also equipped with a boarding ladder cage to protect personnel' s safety at elevated heights.

7 **Fuel tank room:**
It can safely store fuel and is equipped with fire and explosion-proof facilities to ensure a safe and stable fuel supply and operation.

Silent Generator Set Specifications I

SN	Unit Model	Rated Power (kW)	Standby Power (kW)	Dimensions L×W×H (mm)	Container Loading Specifications
1	FG22GSZ	20	22	2110×910×1140	1D(2991×2438×2438)
2	FG33GSZ	30	33	2210×950×1260	1D(2991×2438×2438)
3	FG55GSZ	50	55	2360×1050×1410	1D(2991×2438×2438)
4	FG88GSZ	75	88	2710×1000×1670	1D(2991×2438×2438)
5	FG120GSZ	100	120	2710×1000×1670	1D(2991×2438×2438)
6	FG132GSZ	120	132	3210×1140×1860	1C(6058×2438×2438)
7	FG165GSZ	150	165	3210×1140×1860	1C(6058×2438×2438)
8	FG220GSZ	200	220	3510×1220×1960	1C(6058×2438×2438)
9	FG275GSZ	250	275	4610×1410×2160	1C(6058×2438×2438)
10	FG330GSZ	300	330	4610×1410×2160	1C(6058×2438×2438)
11	FG400GSZ	350	400	4610×1410×2160	1C(6058×2438×2438)
12	FG440GSZ	400	440	4610×1410×2160	1C(6058×2438×2438)
13	FG528GSZ	450	528	5100×2100×2500	1CC(6058×2438×2896)
14	FG550GSZ	500	550	5100×2100×2500	1CC(6058×2438×2896)
15	FG600GSZ	550	600	5100×2100×2500	1CC(6058×2438×2896)
16	FG660GSZ	600	660	5100×2100×2500	1CC(6058×2438×2896)
17	FG720GSZ	650	720	5100×2100×2500	1CC(6058×2438×2896)
18	FG800GSZ	700	800	5100×2100×2500	1CC(6058×2438×2896)
19	FG880GSZ	800	880	5100×2100×2500	1CC(6058×2438×2896)
20	FG1000GSZ	900	1000	6058×2438×2896	1CC(6058×2438×2896)
21	FG1100GSZ	1000	1100	6058×2438×2896	1CC(6058×2438×2896)

Silent Generator Set Specifications II

SN	Unit Model	Rated Power (kW)	Standby Power (kW)	Dimensions L×W×H (mm)	Container Loading Specifications
1	FG330GJZ	300	330	6058×2438×2438	1C(6058×2438×2438)
2	FG400GJZ	350	400	6058×2438×2438	1C(6058×2438×2438)
3	FG440GJZ	400	440	6058×2438×2438	1C(6058×2438×2438)
4	FG528GJZ	450	528	6058×2438×2438	1CC(6058×2438×2438)
5	FG550GJZ	500	550	9125×2438×2896	1BBB(9125×2438×2896)
6	FG600GJZ	550	600	9125×2438×2896	1BBB(9125×2438×2896)
7	FG660GJZ	600	660	9125×2438×2896	1BBB(9125×2438×2896)
8	FG720GJZ	650	720	9125×2438×2896	1BBB(9125×2438×2896)
9	FG800GJZ	700	800	9125×2438×2896	1BBB(9125×2438×2896)
10	FG880GJZ	800	880	9125×2438×2896	1BBB(9125×2438×2896)
11	FG1000GJZ	900	1000	9125×2438×2896	1BBB(9125×2438×2896)
12	FG1100GJZ	1000	1100	9125×2438×2896	1BBB(9125×2438×2896)
13	FG1200GJZ	1100	1200	12192×2438×2896	1AAA(12192×2438×2896)
14	FG1300GJZ	1200	1300	12192×2438×2896	1AAA(12192×2438×2896)
15	FG1450GJZ	1300	1450	12192×2438×2896	1AAA(12192×2438×2896)
16	FG1650GJZ	1500	1650	12192×2438×2896	1AAA(12192×2438×2896)
17	FG1720GJZ	1600	1720	12192×2900×2896	/
18	FG2000GJZ	1800	2000	13500×3200×3650	/
19	FG2200GJZ	2000	2200	13500×3200×3650	/
20	FG2400GJZ	2200	2400	13500×3200×3650	/
21	FG2600GJZ	2400	2600	14000×3200×3650	/

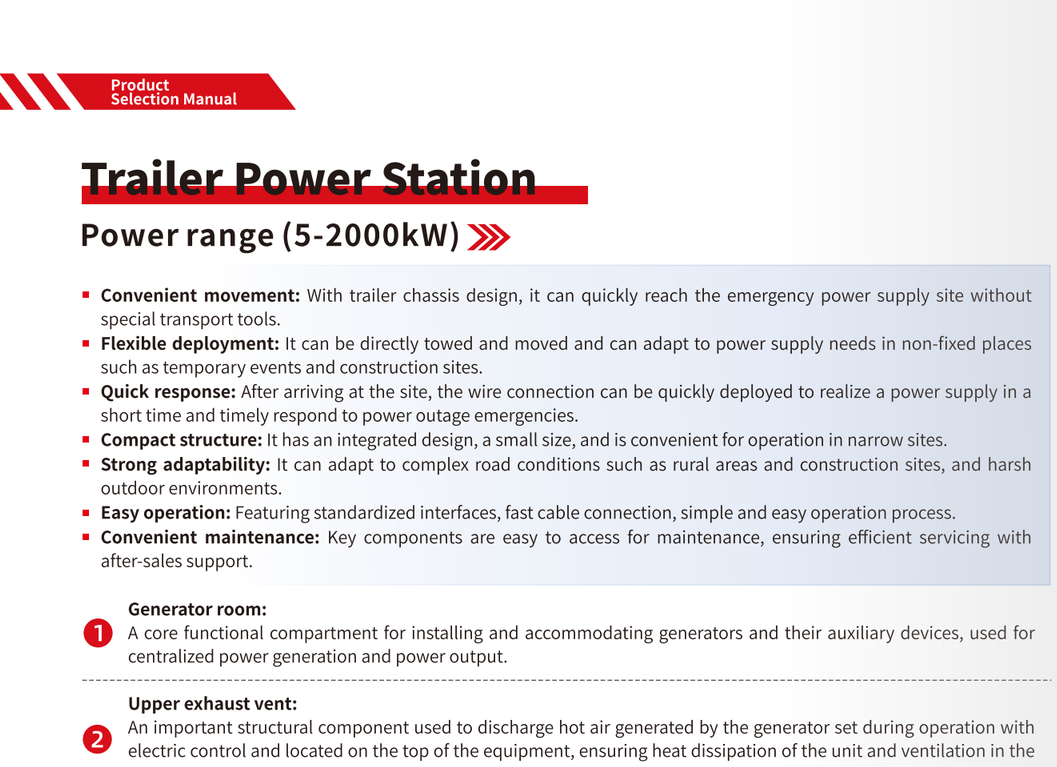
Trailer Power Station

Power range (5-2000kW)

- **Convenient movement:** With trailer chassis design, it can quickly reach the emergency power supply site without special transport tools.
- **Flexible deployment:** It can be directly towed and moved and can adapt to power supply needs in non-fixed places such as temporary events and construction sites.
- **Quick response:** After arriving at the site, the wire connection can be quickly deployed to realize a power supply in a short time and timely respond to power outage emergencies.
- **Compact structure:** It has an integrated design, a small size, and is convenient for operation in narrow sites.
- **Strong adaptability:** It can adapt to complex road conditions such as rural areas and construction sites, and harsh outdoor environments.
- **Easy operation:** Featuring standardized interfaces, fast cable connection, simple and easy operation process.
- **Convenient maintenance:** Key components are easy to access for maintenance, ensuring efficient servicing with after-sales support.

1. **Generator room:**
A core functional compartment for installing and accommodating generators and their auxiliary devices, used for centralized power generation and power output.

2. **Upper exhaust vent:**
An important structural component used to discharge hot air generated by the generator set during operation with electric control and located on the top of the equipment, ensuring heat dissipation of the unit and ventilation in the compartment.



3. **Maintenance door:**
A convenient opening structure set up to facilitate the installation, inspection, maintenance, and repair of internal equipment.

4. **Towing arm:**
A key load-bearing component that connects the towing vehicle and the trailer and is used for towing the mobile power station.

5. **Fuel filler:**
A special opening device for safely and conveniently adding fuel to the generator set' s fuel tank.

6. **Control panel:**
A core electrical control panel integrating generator set operation monitoring, parameter display, and control operations.

7. **Upward-flip door:**
A reversible door that is convenient to open to access the toolbox, facilitating daily maintenance and emergency operations.

Trailer Power Station Specifications

SN	Rated Power (kW)	Standby Power (kW)	Chassis Specification	Chassis Type	Brake Type	Steering Type	Dimensions L×W×H (mm)	Weight
1	20	22	FG2.0DP	Single axle	Driving impact braking, parking brake	/	3570×1560×2200	1550
2	30	33	FG2.0DP	Single axle	Driving impact braking, parking brake	/	3570×1560×2200	1600
3	50	55	FG3.0DP	Single axle	Driving impact braking, parking brake	/	4800×2150×2600	2250
4	75	80	FG3.0DP	Single axle	Driving impact braking, parking brake	/	4800×2150×2600	2400
5	100	110	FG3.0DP	Single axle	Driving impact braking, parking brake	/	4800×2150×2600	2850
6	120	132	FG6.0DP	Dual axle	Driving impact braking, parking brake	Axle steering	5500×2200×2750	4300
7	150	165	FG6.0DP	Dual axle	Driving impact braking, parking brake	Axle steering	5500×2200×2750	4600
8	200	220	FG6.0DP	Dual axle	Driving impact braking, parking brake	Axle steering	5500×2200×2750	5500
9	250	275	FG8DP	Dual axle	Driving impact braking, parking brake	Axle steering	6410×2450×3150	6500
10	300	330	FG8DP	Dual axle	Driving impact braking, parking brake	Axle steering	6410×2450×3150	7000
11	350	385	FG8DP	Dual axle	Driving impact braking, parking brake	Axle steering	6410×2450×3150	7500
12	400	440	FG15DP	Dual axle	Driving impact braking, parking brake	Axle steering	6950×2520×3250	9800
13	450	495	FG15DP	Dual axle	Driving impact braking, parking brake	Axle steering	6950×2520×3250	10200
14	500	550	FG15DP	Dual axle	Driving impact braking, parking brake	Axle steering	7550×2520×3380	11000
15	550	605	FG15DP	Dual axle	Driving impact braking, parking brake	Axle steering	7550×2520×3380	12000
16	600	660	FG18DP	Dual axle	Driving impact braking, parking brake	Axle steering	8000×2520×3500	13500
17	650	715	FG18DP	Dual axle	Driving impact braking, parking brake	Axle steering	8000×2520×3500	14000
18	700	770	FG18DP	Dual axle	Driving impact braking, parking brake	Axle steering	8000×2520×3500	14500
19	800	880	FG18DP	Dual axle	Driving impact braking, parking brake	Axle steering	8000×2520×3600	16000
20	900	990	FG20DP	Dual axle	Driving impact braking, parking brake	Axle steering	9500×2520×3600	17000
21	1000	1100	FG20DP	Dual axle	Driving impact braking, parking brake	Axle steering	9500×2520×3600	18500

Smart Multi-Energy Hybrid Power Station

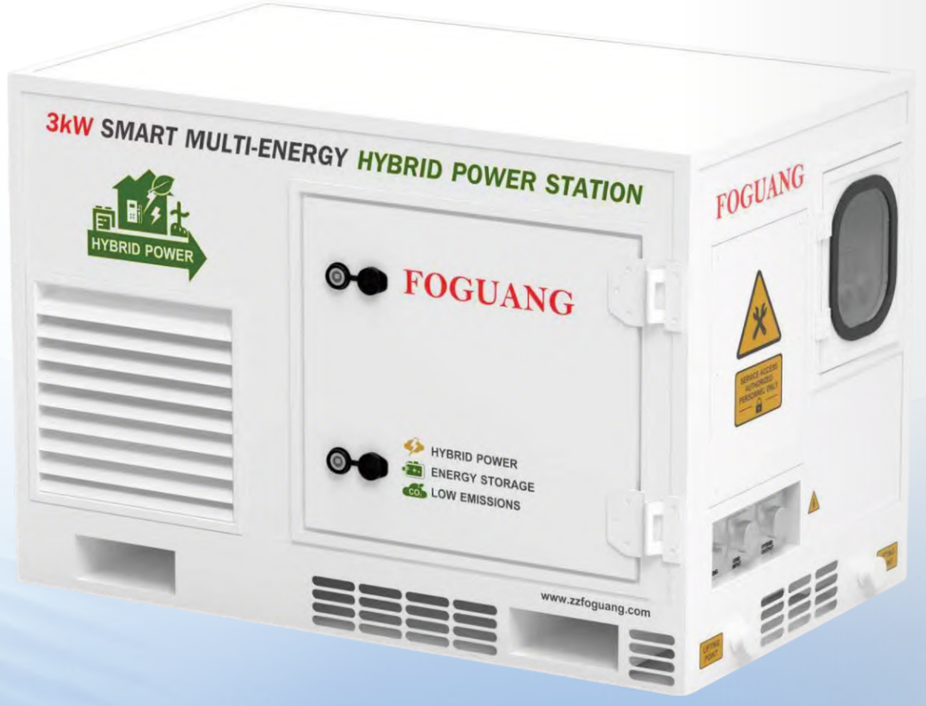
Product Introduction

The Hybrid Power Station System is an intelligent multi-source power solution designed for **flexibility, reliability, and safety**. It integrates generator sets, grid power, solar, wind, and energy storage to **ensure a stable and continuous power supply through multi-source coordination**. It is widely applicable to islands, border areas, industrial parks, farms, residential communities, EV charging stations, and telecommunications base stations.

Key Features

1 **Integrated All-in-One Design**
- No additional equipment room required.
- Plug-and-play design for rapid on-site deployment.

2 **Hybrid Multi-Energy Integration**
- Supports solar PV, wind power, diesel generators, and utility grid inputs.
- Intelligent hybrid EMS automatically prioritizes the most economical energy source.
- Solar and wind as primary energy, with energy storage for peak shaving and load shifting. Diesel generator will be the backup power.
- Dynamic power allocation based on real-time weather conditions and load demand.



3 **Designed for Harsh Environments**
- Operating temperature: -30°C to +55°C (optional heating/cooling)
- Protection level: IP54 / IP55, resistant to sand, salt spray, and heavy rain
- Up to 5000 m altitude without derating.

Technical Specifications

Model	FG-3K	FG-5K	EH-10K
Rated Power	3kW	5kW	10kW
PV Input	5kWp	8kWp	15kWp
Wind Power Input	3kW	5kW	10kW
Battery Capacity	6kWh	10kWh	20kWh
Output	Single-phase220V	Single-phase220V	Three-phase380V
Dimensions (W*D*H)	1.2×0.8×1.5m	1.5×1.0×1.8m	2.0×1.5×2.0m

Automobile Power Station

Power range (5-2000kW)

1. **Power supply performance**
   Large-capacity units are suitable for multi-scenario power demand, providing stable voltage and frequency output to ensure power supply for precision equipment.

2. **Vehicle mobility**
   High-quality chassis adapts to complex road conditions, compact design for flexible movement in narrow spaces.

3. **Rapid response capability**
   Units start and reach rated power within seconds to minutes, quickly restoring power supply to reduce the impact of the power outage.

4. **Safety and reliability**
   With an electrical protection system for overload, short circuit, overvoltage, undervoltage, etc., the power supply will be automatically cut off in abnormal situations to ensure equipment safety; when in long-term stable operation under high load, the failure rate is low; fireproof materials and reasonable ventilation design ensure safe use in complex environments.

5. **Intelligence and convenience**
   Remote monitoring, fault diagnosis, and automatic control functions are introduced to grasp the unit' s real-time status and ensure remote alarm; the compact and well-organized design with comprehensive after sales and technical support to ensure reliable maintenance and spare parts supply.

6. **Customization service**
   The customization will be according to the user' s power demand, usage environment, and special requirements, customize unit capacity, appearance protection, and auxiliary equipment (such as lighting, cable reels).

400kW Automobile Power Station

800kW Automobile Power Station

600kW Automobile Power Station

1100kW Automobile Power Station

High Power Density Motor

Integrated Permanent Magnet Starter-Generator

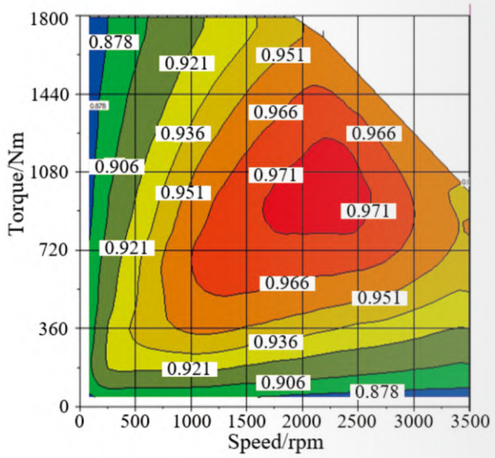
G350-160

G30

G60-80

G230-130

Motor external characteristics and efficiency MAP

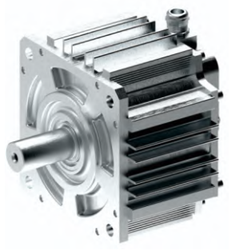


Item	Parameter Index			
Adapted DC Bus Voltage (VDC)	350~750	350~750	420~600	250~450
Rated Power (kW)	350	240	60	30
Peak Power (kW)	450	350	120	60
Rated Torque (N·m)	1280	1100	200	100
Peak Torque (N·m) (30s)	1620	2000	400	250
Rated Speed (r/min)	2600	2000	3000	3000
Maximum Speed (r/min)	3600	3600	6000	6000
Weight (kg)	⩽225	⩽200	⩽33	⩽25
Dimensions (mm)	Φ510×L309	Φ510×L335	Φ310×L110	Φ310×L85
Cooling Method	Water cooling			
Insulation Temperature Class	Class C			

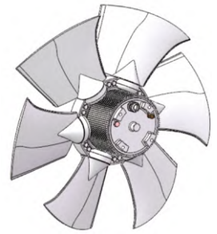
Technical Features:

- The high-efficiency magnetic gathering rotor technology and fractional-slot stator short-pitch winding technology are adopted, achieving high efficiency, low torque ripple, and high structural compactness of the motor.
- The phase-change heat pipe winding indirect cooling method is adopted to ensure motor operation stability.
- High efficiency of 97%, high protection class IP67.
- High environmental adaptability, high mechanical strength, and impact resistance.

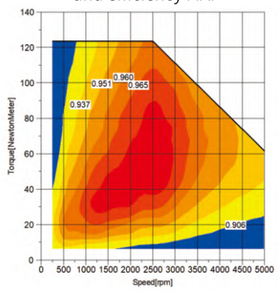
Flat fan motor



Motor integration



Motor external characteristics and efficiency MAP



Item	Parameter Index	
Adapted DC Bus Voltage (VDC)	450~600	
Rated Power (kW)	8.5	14
Peak Power (kW)	15	28
Rated Torque (N·m)	40	61
Peak Torque (N·m) (30s)	70	125
Rated Speed (r/min)	2200	2200
Maximum Speed (r/min)	4500	5000
Weight (kg)	⩽17	⩽25
Dimensions (mm)	Φ218×L140	280×280×128
Cooling Method	Air cooling	
Insulation Temperature Class	Class C	
Protection Class	Ip57	

Technical Features:

- A built-in high saliency ratio magnetic gathering rotor structure is adopted to solve the problem of permanent magnet protection, improve the motor reluctance torque output capability, and strengthen overload capacity.
- A fractional-slot dual-winding stator structure is adopted, realizing high power generation efficiency and high electromagnetic torque density.
- Permanent magnets use high-temperature resistant samarium-cobalt magnetic materials with corrosion and oxidation resistance.
- With a small size, light weight, and good protection, it can adapt to complex, harsh climate environments and vehicle-mounted environments, and is easy for equipment integration and installation.

Controllers

KHGM Generator set controller adopts 32-bit microprocessor chip and embedded operating system control technology, capable of realizing automatic control of single or multiple generator sets, utility power monitoring and switching, multi-machine parallel operation, and other functions, with functions of collecting, displaying, and alarming key parameters related to engine, generator, and load, etc.

KHGM8151
Generator Set Single Controller

KHGM8181
Generator Set Single + Utility Power Controller

KHGM8281
Generator Set Parallel Controller

KHGM8131
Single Machine Type

KHGM8141
Utility Power Switching Type

KHAT500
Series Intelligent Transfer Controller

Control System

- Capable of realizing fully automatic start, synchronous parallel operation control, load distribution, disconnection, shutdown, fault alarm and other functions for any number of units.
- Adjust the number of online units according to load size and unit rotation operation to achieve economic operation of load.
- Capable of realizing fully automatic parallel operation between units of different brands and capacities.
- Capable of operating and monitoring the units using touch screen technology and upper computer monitoring technology.
- Capable of realizing soft loading and soft unloading functions.

Hybrid Energy Monitoring Solutions

Main functional performance includes

- Remote monitoring of single and multiple generator sets, including remote start-stop control, status indication, alarm protection, maintenance reminder and coordinated control with other energy sources.
- Coordinated control of multiple energy sources, including data status collection and display, remote switching control, alarm protection and other functions for multiple energy systems such as utility power, photovoltaics, energy storage, etc.
- Multiple mode switching, including single machine mode, parallel mode, grid-connected mode, hybrid energy mode, and custom configuration of different energy monitoring through the interface.
- Adopt 10.1-inch large-size, high-resolution display screen, supporting touch control; support 2 independent network ports, 3 RS485 communication interfaces, 1 CAN communication interface, 1 USB interface, compatible with various external devices.
- Adopt an integrated front panel design with good waterproof performance; support -20°C-70°C operating temperature; the dimensions is 275*200*51mm.

KHGM8000 Edge Controller

Application Scenarios

Generator Set Data Center Application

- **High reliability:** Redundant design of key components, 7x24 hours continuous operation capability to ensure uninterrupted power supply for data centers.
- **Ultra-low failure rate:** Selected high-quality engines and generators and strictly tested to ensure long-term stable operation under high load.
- **Precise power output:** Excellent voltage and frequency stabilization technology with minimal voltage/frequency fluctuation, suitable for power demand of precision IT equipment.
- **Rapid response:** Millisecond-level self-starting capability, quickly taking over loads when utility power is interrupted to avoid data loss or downtime.
- **Intelligent management:** Equipped with remote monitoring system to real-time monitor operation status, supporting automatic switching and fault early warning.
- **Energy conservation and environmental protection:** High-efficiency combustion technology and low-emission design to reduce energy consumption and environmental pollution, meeting green data center standards.
- **Strong adaptability:** Stable operation in wide temperature range and high altitude, coping with complex geographical and climatic environments where data centers are located.
- **Redundant expansion:** Support parallel operation of multiple units and flexible expansion to meet future business growth, and high load demand.

Application Cases

China Telecom (Beijing-Tianjin-Hebei) Big Data Industrial Park

China Telecom Lingang Intelligent Computing Valley

Central China Data Base

China Telecom Qingyang Computing Power Center (National Hub of “East Data，West Computing”)

Shanghai Qibao Data Center

China Telecom Smart Cloud Base Huailai Park

China Telecom (National) Digital Qinghai Green Big Data Center

China Telecom Inner Mongolia Information Park

China Telecom Lanzhou New Area Big Data Industrial Park

Data Center


Data Center

China Mobile

State Grid

Emergency Projects


Sinopec Group

Quality Control

Quality Policy

Quality First | Excellent Service | Continuous Improvement | Customer Satisfaction

Quality Management

We have established a complete quality assurance system and passed ISO9001 quality management system certification; it has implemented strict standards, with a focus on processes to strengthen quality management throughout the life cycle of development, production, testing, acceptance, delivery, and use.

After-Sales Service

Service System

We have established a perfect after-sales service system that passed five-star certification, providing professional services for the whole life cycle of users.

Service Institutions

We have set up many after-sales service offices to form a nationwide after-sales service network, through which we can provide overseas technical services according to users' needs.

Technical Training

We have established a technical training center for generator sets and power supply vehicles to provide customers with comprehensive technical support and personnel training. Training forms include factory training, on-site training, theoretical training, and practical training to respond to the training needs of customers.

Parts Support

We have reserved original genuine parts and can provide three-guarantee service parts, out-of-guarantee repair parts, various levels of maintenance parts, etc.

- **Service Response:** 24/7/365 uninterrupted professional services.
- **Service Hotline:** 400-667-0055 0371-67980055