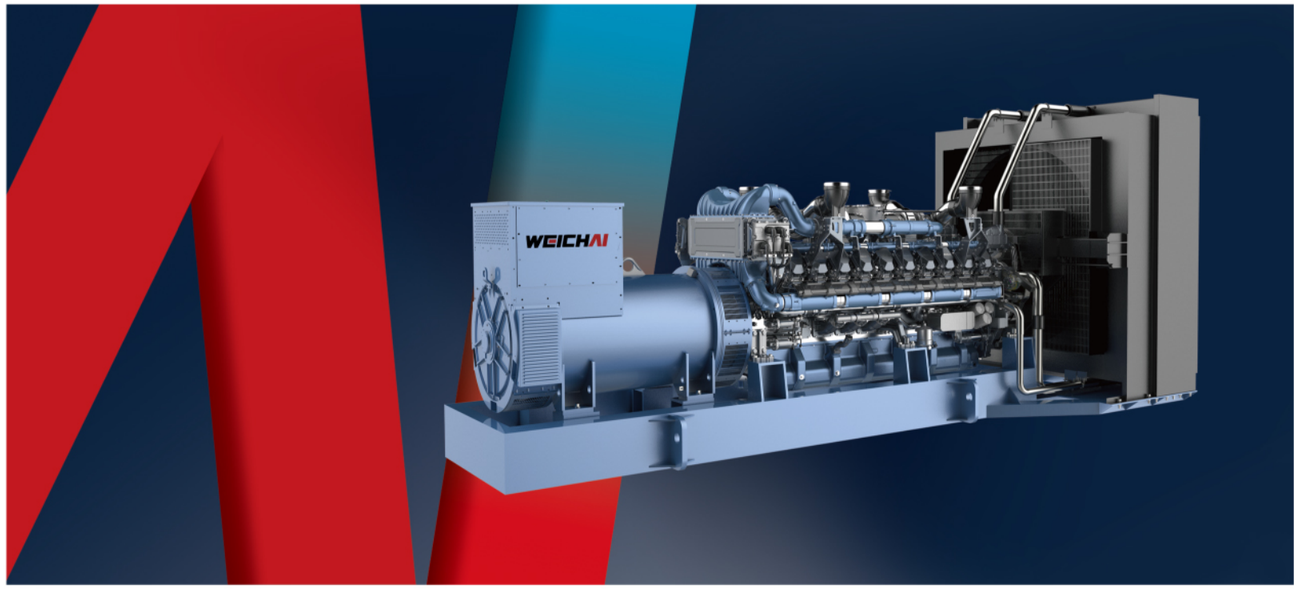
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Powerful Electricity, Intelligent Creation

f

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WEICHAI GEN-SETS



2022.10

SHANDONG WEICHAI IMP. & EXP CORP.

Introduction

Our group:

Founded in 1946, Weichai has over 100,000 employees worldwide with the annual revenue of over 300 billion RMB in 2021. Weichai ranks 77th among China’s top 500 enterprises, 23th among China’s top 500 manufacturing enterprises, and 1st among China’s machinery industry top 100 enterprises.

Weichai is a multi-field and multi-industry international group which owns powertrain, vehicle, construction machinery, intelligent logistics, agricultural machinery, marine transportation equipment and other business segments. The subsidiaries of Weichai Group spread all over Europe, North America, Asia, and other regions, and its products are exported to more than 110 countries and regions.

Weichai gen-sets manufacturing unit is located in Weichai Industrial park, it is spread over an area of 25200m^2. Unit is having advanced product technology, research and testing facilities. We produce 50,000 units of all types of gen-sets annually with the power range of 10-3000kW. Weichai uses high-quality Weichai engines and alternators or any other international brands for generator sets.

Weichai gen-sets got the IS09001 quality management system certification, National Internal Combustion Engine Gen-sets Quality Supervision and Inspection Center certification, CE certification and TLC certification (power range cover of 10-3000kW) for communications industry (telecom, mobile, Unicom, tower).

Weichai gen-sets are widely used in the fields of communications, petroleum, medical treatment, plateau, railway, field rescue, animal husbandry, data center, mine emergency life-saving power supply and so on. With advanced technology and innovation consciousness, rigorous management system and efficient service network, Weichai gen-sets providing users highly safe, efficient and complete power solutions.



THE WORKSHOP



CERTIFICATIONS



ISO9001 Quality Management System Certification



GB/T24001 Environment Management System Certification



TLC Certification



CE Certification

Weichai Gen-set

Excellent environmental adaptability

—Stable operation in -40℃ to 50℃ atmospheric temperature
—Stable output power capability at 5000m altitude
—High standard rust and corrosion resistant industrial paint

Excellent loading capability

—G3 specifications of the ISO8528 standard
—Rapid Start Up

High power density

—Compact structure, high strength, high power density
—Reduced gen-sets size, optimum use of space

Flawless and Safe design

—International certification
—Advanced security system

Specification	
Cylinder	4,6,8V,12V,16V,20V
Power	15 - 3750KVA
Frequency	50Hz、60Hz
Voltage	400V、600V、10.5KV
Application	Buildings, living, factory, communications, oil & gas field, data center, mine emergency life-saving etc.

Weichai container gen-set

All-in-one solution

Flexibility

—Flexible design and dimensions to meet different needs
—Customized as per application needs

High power density

—Compact system design

Intelligent control

—Computer controller to monitor gen-sets condition
—Weichai digital solutions provides remote monitoring Services

Integrated solutions

—Operate independently or parallel
—Proficient noise control design

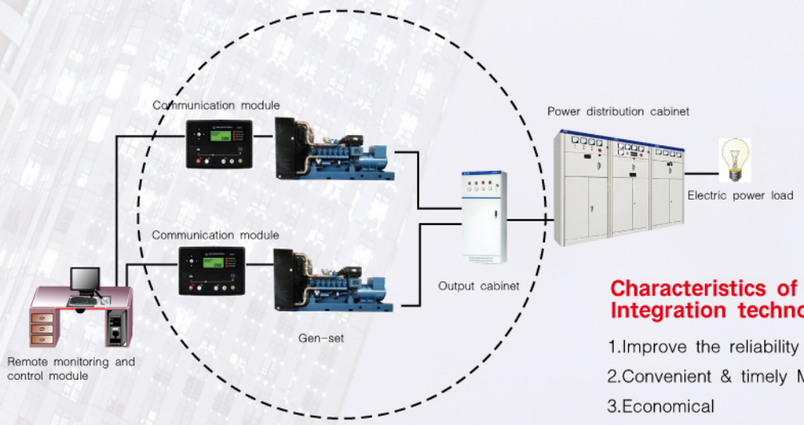
Specification	
Size	20’, 40’ container & Non-standard container
Power range	900-3750KVA
Voltage	400V、600V、10.5kV
Frequency	50Hz、60Hz

PRODUCT INTRODUCTION:

Weichai power gen-sets are professionally designed with rich configuration, high reliability and excellent performance, which provides you complete power solutions.

Weichai power gen-sets covers the power range of 10-3000kW. Weichai power gen-sets use professional Weichai engines and Weichai or other international brands alternators. The manufacturing and testing of gen-sets are in accordance with ISO8528 standards, and they meet YD/T502 and other industry standards. As fixed power or emergency backup power, Weichai power gen-sets are widely used in communications, oil and gas fields, industrial and mining enterprises, hotels, hospitals, rural towns, fishing, forestry and other fields. Customers can choose B (basic type), F(base fuel tank type), L(sound proof type), C(container type), Q(automobile type), T(trailer type) structure according to individual needs.

Integration technology



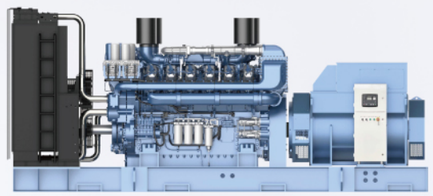
Characteristics of Integration technology

1.Improve the reliability of the power supply system
2.Convenient & timely Maintenance
3.Economical
4.Scalability
5.Independent ATS cabinet

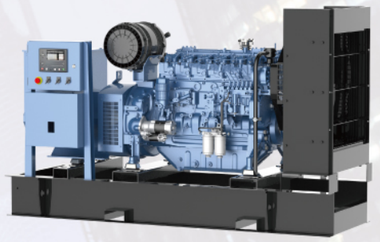


WEICHAI GEN-SETS

Open Gen-sets



B series basic type



F series base fuel tank type

Silence Gen-sets



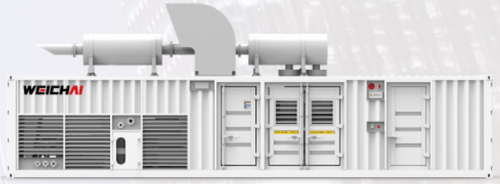
L series standard sound proof type



L series upgrade sound proof type



C series container type



C series container type

Land Based Diesel Gen-sets (50Hz)

No.	TYPE *	GEN SET MODEL	STANDBY POWER		PRIME POWER		WEICHAI ENGINE	
			kVA	kW	kVA	kW	MODEL	PRIME POWER
1	F、L	WPG17*1	17	14	15	12	WP2.3D20E200	18
2	F、L	WPG22*1	22	18	20	16	WP2.3D25E200	23
3	F、L	WPG28*1	28	22	25	20	WP2.3D33E200	30
4	F、L	WPG33*1	33	26	30	24	WP2.3D33E200	30
5	F、L	WPG41*1	41	33	38	30	WP2.3D48E200	44
6	F、L	WPG55*1	55	44	50	40	WP2.3D53E210	48
7	F、L	WPG70*1	70	55	63	50	WP4.1D66E200	60
8	F、L	WPG88*1	88	70	80	64	WP4.1D80E200	72
9	F、L	WPG110*1	110	88	100	80	WP4.1D100E200	90
10	F、L	WPG138*9	138	110	125	100	WP6D140E200	128
11	F、L	WPG165*9	165	132	150	120	WP6D152E200	138
12	F、L	WPG220*8	220	176	200	160	WP10D200E200	182
13	F、L	WPG250*8	250	200	225	180	WP10D238E200	216
14	F、L	WPG275*8	275	220	250	200	WP10D264E200	240
15	F、L	WPG350*8	350	280	320	250	WP10D320E200	291
16	F、L	WPG440*8	440	350	400	320	WP13D405E200	368
17	F、L	WPG550*8	550	440	500	400	WP13D490E310	450
18	F、L	WPG550*7	550	440	500	400	6M26G550/5	440
19	F、L	WPG700*7	700	560	640	512	6M33G715/5	575
20	F、L	WPG825*7	825	660	750	600	6M33G825/5	675
21	B、C	WPG1000*7	1000	800	900	720	12M26G1000/5	820
22	B、C	WPG1100*7	1100	880	1000	800	12M26G1100/5	880
23	B、C	WPG1250*7	1250	1000	1125	900	12M33G1250/5	1007
24	B、C	WPG1400*7	1400	1120	1250	1000	12M33G1400/5	1100
25	B、C	WPG1650*7	1650	1320	1500	1200	12M33G1650/5	1350
26	B、C	WPG1900*7	1900	1520	1750	1400	16M33G1900/5	1530
27	B、C	WPG2000*7	2000	1650	1875	1500	16M33G2000/5	1680
28	B、C	WPG2250*7	2250	1800	2000	1600	20M33G2250/5	1850
29	B、C	WPG2500*7	2500	2000	/	/	20M33G2500/5	STANDBY 2210
30	B、C	WPG2750*7	2750	2200	2500	2000	12M55G2750/5	2200
31	B、C	WPG3000*7	3000	2400	2750	2200	12M55G3000/5	2420
32	B、C	WPG3300*7	3300	2640	3000	2400	16M55G3300/5	2646
33	B、C	WPG3750*7	3750	3000	3250	2600	16M55G3750/5	2900
34	B、C	WPG4125*7	4125	3300	3750	3000	16M55G4000/5	3300

Please consult sales managers before placing an order.

Land Based Diesel Gen-sets (60Hz)

No.	TYPE *	GEN SET MODEL	STANDBY POWER		PRIME POWER		WEICHAI ENGINE	
			kVA	kW	kVA	kW	MODEL	PRIME POWER
1	F、L	WPG16*16	20	16	18	15	WP2.3D25E201	23
2	F、L	WPG25*16	31	25	28	22	WP2.3D30E201	27
3	F、L	WPG35*16	44	35	40	32	WP2.3D41E201	37
4	F、L	WPG40*16	50	40	45	36	WP2.3D47E201	43
5	F、L	WPG50*16	63	50	55	44	WP2.3D63E211	58
6	F、L	WPG66*16	82	66	75	60	WP4.1D80E201	72
7	F、L	WPG80*16	100	80	93	74	WP4.1D95E201	85
8	F、L	WPG100*16	125	100	113	90	WP4.1D115E201	105
9	F、L	WPG110*96	138	110	125	100	WP6D132E201	120
10	F、L	WPG135*96	169	135	150	120	WP6D158E201	144
11	F、L	WPG150*96	188	150	/	/	WP6D180E201	STANDBY 180
12	F、L	WPG180*96	225	180	/	/	WP6D200E201	STANDBY 200
13	F、L	WPG200*86	250	200	225	180	WP10D238E201	216
14	F、L	WPG220*86	275	220	250	200	WP10D264E201	240
15	F、L	WPG250*86	313	250	/	/	WP10D288E201	STANDBY 288
16	F、L	WPG300*86	375	300	350	280	WP10D360E201	327
17	F、L	WPG350*86	438	350	375	300	WP13D385E201	350
18	F、L	WPG400*86	500	400	450	360	WP13D460E311	418
19	F、L	WPG450*86	563	450	500	400	WP13D510E311	460
20	F、L	WPG500*76	625	500	560	450	6M26G500/6	506
21	F、L	WPG550*76	688	550	625	500	6M33G575/6	575
22	F、L	WPG600*76	750	600	681	545	6M33G600/6	610
23	F、L	WPG660*76	825	660	750	600	6M33G660/6	670
24	B、C	WPG800*76	1000	800	900	720	12M26G800/6	820
25	B、C	WPG900*76	1125	900	1000	800	12M26G900/6	920
26	B、C	WPG1000*76	1250	1000	/	/	12M26G1000/6	STANDBY 1115
27	B、C	WPG1100*76	1375	1100	1250	1000	12M33G1100/6	1150
28	B、C	WPG1300*76	1650	1300	1500	1200	12M33G1300/6	1350
29	B、C	WPG1540*76	1900	1540	1750	1400	16M33G1500/6	1530
30	B、C	WPG1650*76	2000	1650	1875	1500	16M33G1650/6	1625
31	B、C	WPG1750*76	2200	1750	/	/	16M33G1750/6	STANDBY 1920
32	B、C	WPG2000*76	2500	2000	2250	1800	20M33G2000/6	2027
33	B、C	WPG2200*76	2750	2200	2500	2000	12M55G2250/6	2200
34	B、C	WPG2500*76	3000	2500	2813	2250	12M55G2500/6	2450
35	B、C	WPG2640*76	3300	2640	3000	2400	16M55G2640/6	2710
36	B、C	WPG2800*76	3500	2800	3200	2560	16M55G2800/6	2870
37	B、C	WPG3000*76	3750	3000	3300	2640	16M55G3000/6	2930
38	B、C	WPG3300*76	4125	3300	3750	3000	16M55G3300/6	3300

Please consult sales managers before placing an order.

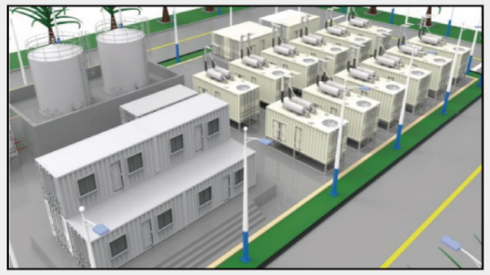
Land Based CNG Gen-sets (50Hz)

No.	TYPE *	GEN SET MODEL	CONTINUOUS POWER		PRIME POWER		WEICHAI ENGINE	
			kVA	kW	kVA	kW	MODEL	PRIME POWER
1	B、L	WPG75*9NG	62	50	75	60	WP4D77E300NG	70
2	B、L	WPG125*9NG	100	80	125	100	WP6D132E300NG	120
3	B、L	WPG188*8NG	150	120	188	150	WP10D200E300NG	182
4	B、L	WPG312*8NG	250	200	312	250	WP13D317E300NG	288
5	B、L	WPG500*7NG	400	320	500	400	6M33G6N0/5	450
6	B、C	WPG625*7NG	625	500	625	500	12M26G2N0/5	550
7	B、C	WPG1000*7NG	838	670	1000	800	12M33G10N0/5	900
8	B、C	WPG1375*7NG	1375	1100	1375	1100	16M33G6N0/5	1280
9	B、C	WPG1750*7NG	1750	1400	1750	1400	12M55G6N0/5	1588

Land Based CNG Gen-sets (60Hz)

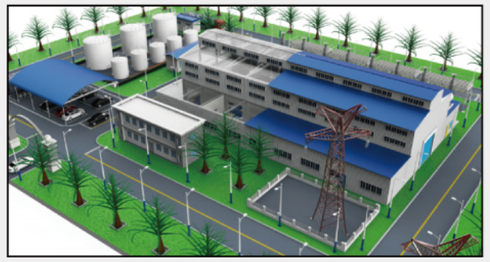
No.	TYPE *	GEN SET MODEL	CONTINUOUS POWER		PRIME POWER		WEICHAI ENGINE	
			kVA	kW	kVA	kW	MODEL	PRIME POWER
1	B、L	WPG60*96NG	62	50	75	60	WP4D77E301NG	70
2	B、L	WPG100*96NG	100	80	125	100	WP6D132E301NG	120
3	B、L	WPG180*86NG	181	145	225	180	WP10D238E301NG	216
4	B、L	WPG250*86NG	250	200	312	250	WP13D317E301NG	288
5	B、L	WPG400*76NG	412	330	500	400	6M33G6N0/6	480
6	B、C	WPG500*76NG	625	500	625	500	12M26G2N0/6	600
7	B、C	WPG850*76NG	900	720	1062	850	12M33G14N0/6	960
8	B、C	WPG1100*76NG	1375	1100	1375	1100	16M33G6N0/6	1280

Weichai Power Plant One Stop Solution



Diesel Power Plant

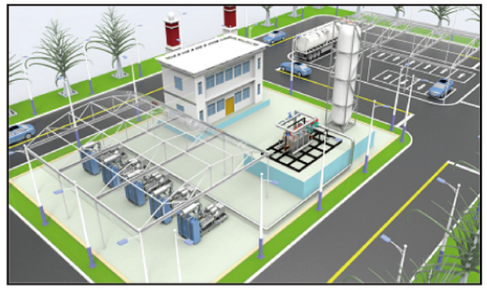
- Simple Structure
- Low Initial Investment
- Container Type
- Equipment Modularization
- Short Construction Period



Heavy Oil Power Plant

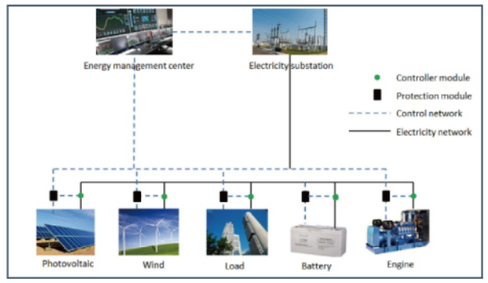
- Low operating costs
- Large initial investment
- Quick return on investment
- Long-term reliable operation

Weichai Power Plant One Stop Solution



Gas Power Plant

- Low cost
- Environment friendly
- Natural gas, oilfield associated gas
- CHP/CCHP increase energy efficiency

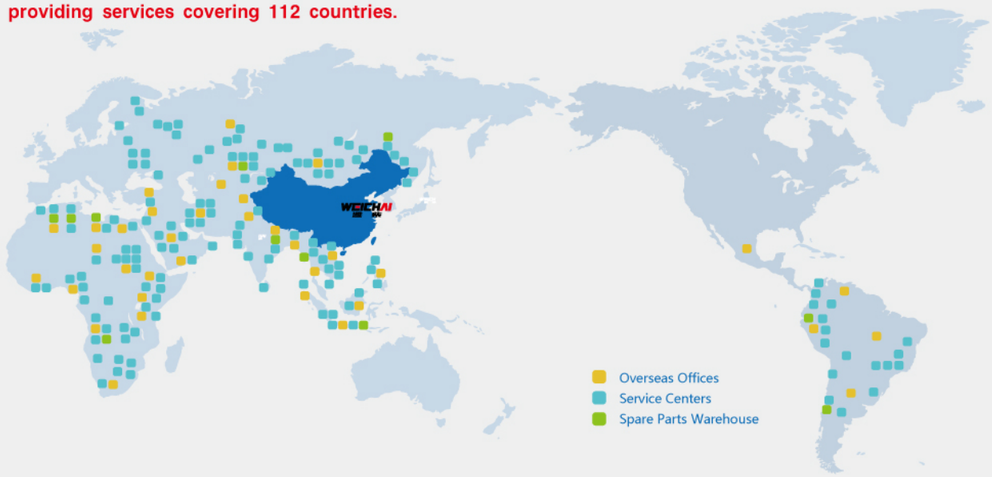


Hybrid Power Plant

- Renewable energy
- Energy saving and environmental protection
- Large initial investment
- Photovoltaic/wind power + Gen-sets

▪ Weichai International service network

Weichai have established 42 overseas offices, 75 authorized Spare parts warehouse, and 510 service centers, providing services covering 112 countries.



Application Cases

• Telecom Project in Philippines
• 600 Units 45kVA Weichai Gen-sets



• Telecom Project in Myanmar
• 302 Units 20kVA Weichai Gen-sets



• Telecom Project in Indonesia
• 49 Units 20kVA Weichai Gen-sets



• Road Construction Project in Thailand
• 10 Units 110kVA Weichai Gen-sets



• Construction Project in Bangladesh
• 19 Units 50-500 kVA Weichai Gen-sets



• Construction Project in Bangladesh
• 24 Units 40-155 kVA Weichai Gen-sets



• Hospital Project in Indonesia
• 40 Units 88 kVA Weichai Gen-sets



• Construction Project in Saudi Arabia
• 718 Units 20-450 kVA Weichai Gen-sets



• Buildings Project in Zambia
• 4 Units 500-750 kVA Weichai Gen-sets



• Data Center Project in Shenzhen China
• 6 Units 1800kW Weichai Gen-sets



• Data Center Project in Hebei China
• 12 Units 2000kW Weichai Gen-sets



• AI Centre Project in Xi' an China
• 3 Units 1800kW Weichai Gen-sets



• Rental Gen-sets in Philippines
• 3 Units 1000 kW Weichai Gen-sets



• Island Power Plant Project in Thailand
• 9 Units 1250 kVA Weichai Gen-sets



• HV Power Plant Project in Russia
• 1 Unit 4.3MW Weichai Gen-set



• Power Plant Project in Thailand
• 3 Units 1400 kVA Weichai Gen-sets



• CNG Power Plant Project in Russia
• 1st phase: 15 units 880KW Weichai Gas Gensets
• 2nd phase: 16 units 880KW Weichai Gas Gensets



• Factory Power Plant Project in Djibouti
• 3 Units 1.6MW Weichai Heavy Oil Gen-sets



• 5300 Meters High Altitude Mining Project in Tibet China
• 3 Units 1000kW Weichai Gen-sets



• Coal mine emergency power project China
• 2 Units 2000kW Weichai Gen-sets



1. Weichai has the capability of design, development, experiment, installation and commissioning of large power plants (fixed power plants and container mobile power plants) and provides overall solutions.
2. Weichai plant products adopt variety of dynamic operation modes for fast and flexible power supply.
3. Weichai gen-sets can adapt multiple fuels (crude oil, heavy oil, diesel, natural gas) with extraordinary stability and reliability.