



Intelligence Wins Achievements

SHANGHAI IWA POWER TECHNOLOGY CO.,LTD

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IWA-DZ-22-10-A
Photo of Engines Are Only for Reference



Shanghai IWA Power Generator Set Catalogue

A Leading Power Solutions Provider

About IWA Power Technology

Shanghai IWA Power Technology Co., Ltd. (abbreviation: IWA Power Technology) was established in 1996 with a registered capital of 100 million RMB. It is a comprehensive high-tech enterprise specializing in the design, manufacture, sales and after-sales service of generator sets. The company is committed to providing domestic and overseas customers with leading-edge power generation technology consulting, complete sets of equipment and parts supply, gen set maintenance, personnel training and other power solutions.

Relying on SNAT's strong technical support and production service capabilities, IWA Power Technology undertakes the comprehensive design of various intelligent automatic generator sets, and at the same time has the ability to produce various control panels, assemble generator sets, and test. The company produces 3,000 sets of various generator sets annually, with a power range from 8KW-2400KW.

IWA Power Technology products cover high and low voltage diesel generator sets, which have been widely used in data centers, communications, energy, mining, transportation, commercial and real estate construction, hospitals, factories, municipal administration, power plants, overseas exports and other diversified fields. It is one of the trustworthy unit brands in the industry market, and enjoys a good market reputation in domestic and overseas.



VISION

Become world-renowned and trusted as a powertrain system supplier with superior core competence.

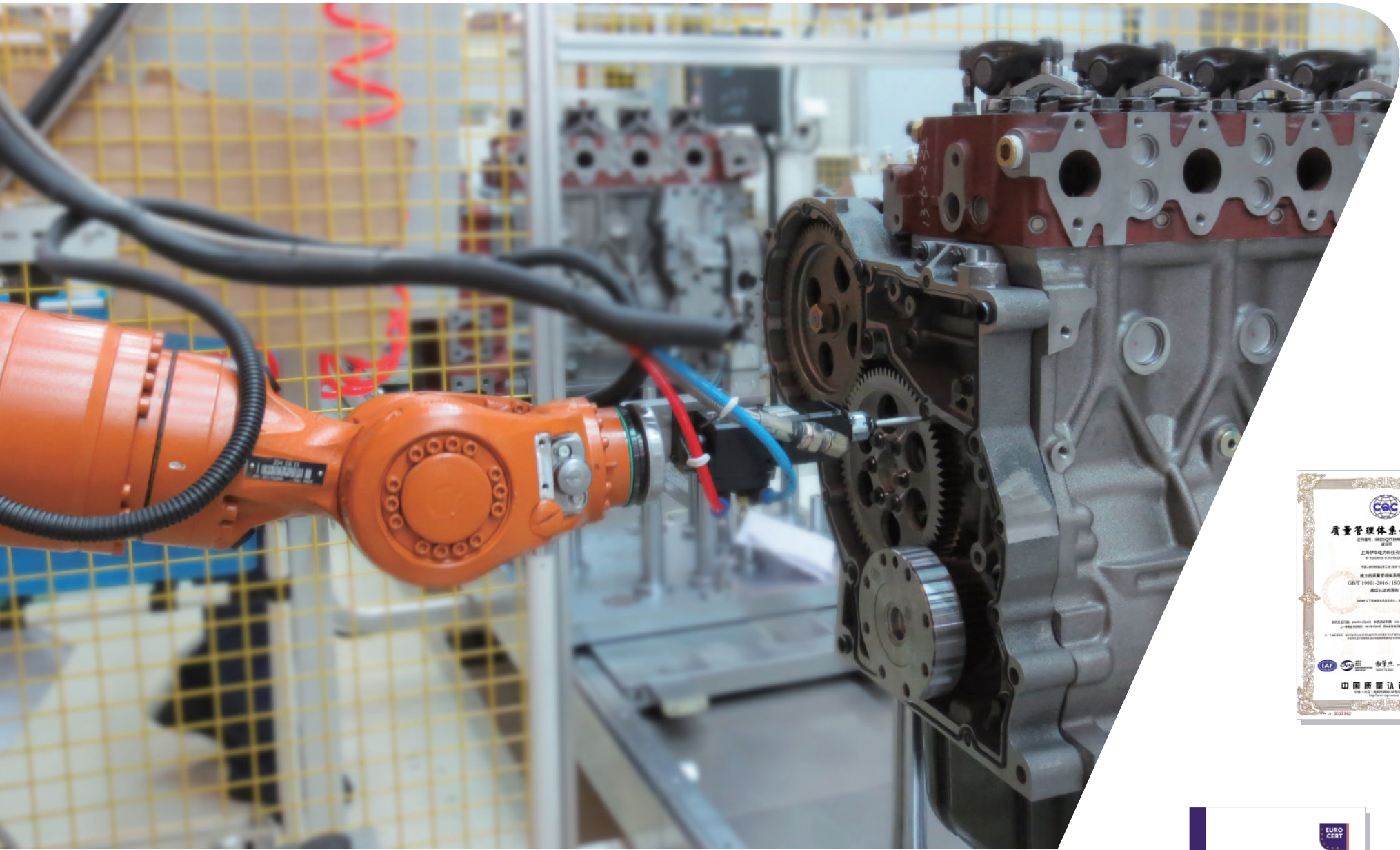
MISSION

Create value for customers with excellent quality;
Promote employee development through sterling moral character;
Drive social advancement by a centennial brand.

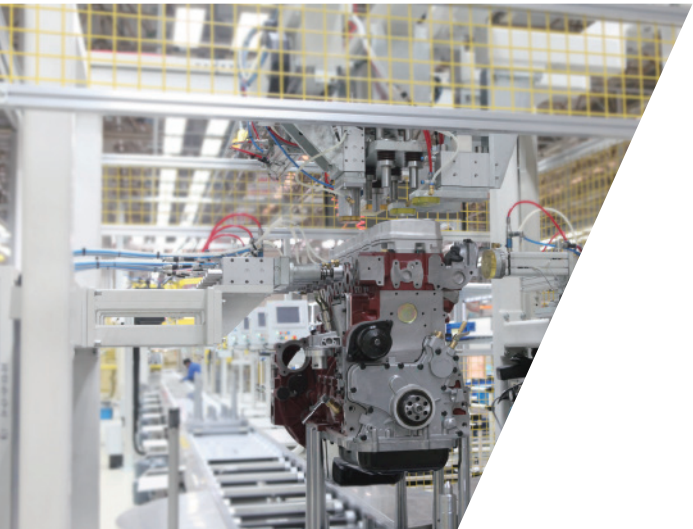
CORE VALUES

Honesty and Accountability,
Openness and Inclusiveness,
Innovation and Enterprise.





AWARDS & CERTIFICATES



TECHNICAL PARAMETERS

50HZ GEN SET MODEL LIST FOR CHINA EMISSION LEVEL 2 （380V， 3P,PF=0.8）											
S/N	Open type model	Prime power (kva)	Standby power (kva)	Prime power (kw)	Standby power (kw)	Engine model	Speed governor	Alternator	Controller	Open type dimension (mm)	Silent type dimension (mm)
								Stanford	Deep sea		
1	SD-SC40	40	44	32	35	4HT4.3-G21	Electronic	S1L2-N	DSE6020	1750*915*1200	2050*1065*1420
2	SD-SC50	50	55	40	44	4HT4.3-G21		S1L2-Y		1800*915*1215	2100*1065*1435
3	SD-SC63	63	69	50	55	SC4H95D2		UCI224F		1940*940*1330	2240*1090*1550
4	SD-SC80	80	88	64	70	SC4H115D2		UCI224G		1980*940*1330	2280*1090*1550
5	SD-SC100	100	110	80	88	SC4H160D2		UCI274C		2000*990*1410	2300*1140*1630
6	SD-SC125	125	137.5	100	110	SC4H180D2		UCI274E		2000*990*1410	2300*1140*1630
7	SD-SC160	160	176	128	140	SC7H230D2		UCI274F		2400*1050*1535	2700*1200*1755
8	SD-SC188	188	207	150	165	SC7H250D2		UCI274H		2450*1050*1535	2750*1200*1755
9	SD-SC200	200	220	160	176	SC9D280D2		UCI274H		2540*1120*1620	2840*1270*1840
10	SD-SC250	250	275	200	220	SC9D340D2		S4L1S-C		2700*1120*1655	3000*1270*1875
11	SD-SC313	313	344	250	275	SC12E460D2		S4L1S-E		3220*1380*1765	3520*1530*1985
12	SD-SC350	350	385	280	308	SC12E460D2		S4L1S-E		3220*1380*1765	3520*1530*1985
13	SD-SC375	375	413	300	330	SC15G500D2		S4L1S-F		3200*1405*1850	3500*1555*2070
14	SD-SC450	450	495	360	396	SC25G610D2		S5L1S-C		3570*1690*2205	3870*1840*2425
15	SD-SC500	500	550	400	440	SC25G690D2		S5L1S-D		3570*1690*2205	3870*1840*2425
16	SD-SC563	563	619	450	495	SC27G755D2		S5L1S-E		3570*1690*2205	3870*1840*2425
17	SD-SC625	625	688	500	550	SC27G830D2		S5L1S-F		3570*1750*2250	3870*1900*2470
18	SD-SC682	682	750	545	600	SC27G900D2		S5L1D-G		3640*1750*2250	3940*1900*2470
19	SD-SC750	750	825	600	660	SC33W990D2	ECU	S6L1D-C	DSE6020	4435*1775*2380	4735*1925*2600
20	SD-SC900	900	990	720	792	SC33W1150D2		S6L1D-D		4435*1775*2380	4735*1925*2600
21	SD-SC1000	1000	1100	800	880	6WTAA35-G31		S6L1D-E4		\	\
22	SD-SC1125	1125	1238	900	990	6WTAA35-G310		S6L1D-G4		\	\
23	SD-SC1250	1250	1375	1000	1100	6WTAA35-G311		S6L1D-H4		\	\
24	SD-SC1250	1250	1375	1000	1100	12KTA58-G37		S6L1D-H4		\	\
25	SD-SC1375	1375	1512.5	1100	1210	12KTA58-G36		S7L1D-C4		\	\
26	SD-SC1562	1562.5	1687.5	1250	1350	12KTA58-G35		S7L1D-D4		\	\
27	SD-SC1687	1687.5	1875	1350	1500	12KTA58-G34		S7L1D-E4		\	\
28	SD-SC1875	1875	2062.5	1500	1650	12KTA58-G33		S7L1D-G4		\	\
29	SD-SC2000	2000	2250	1600	1800	12KTA58-G32		S7L1D-G4		\	\
30	SD-SC2250	2250	2500	1800	2000	12KTA58-G31		S7L1D-J4		\	\

50HZ GEN SET MODEL LIST POWERED BY ENGINE Z SERIES											
S/N	Open type model	Prime power (kva)	Standby power (kva)	Prime power (kva)	Standby power (kw)	Engine model	Speed governor	Alternator	Controller	Open type dimension (mm)	Silent type dimension (mm)
								Kaijieli	Deep sea		
1	SD-SZ10	10	11	8	9	3Z1.1-G42	High Pressure Common Rail Injection System	TWG II 164B1	DSE6020	1350*700*950	1650*850*1170
2	SD-SZ13	13	15	10	11	3ZT1.1-G42		TWG II 164C1		1350*700*950	1650*850*1170
3	SD-SZ15	15	17	12	13	4Z2.3-G21	Electronic	TWG II 164D1		1350*700*950	1650*850*1170
4	SD-SZ20	20	22	16	18	4Z2.7-G21		TWG II 184E1		1400*700*1000	1700*850*1220
5	SD-SZ25	25	28	20	22	4Z3.0-G21		TWG II 184F1		1400*700*1000	1700*850*1220
6	SD-SZ30	30	33	24	26	4Z3.2-G21		TWG II 184G1		1400*700*1000	1700*850*1220
7	SD-SZ40	40	44	32	35	4ZT3.2-G21		TWG II 184J1		1400*700*1000	1700*850*1220
8	SD-SZ50	50	55	40	44	4ZT3.5-G21		TWG II 224C1		1650*700*1180	1950*850*1400
9	SD-SZ63	63	69	50	55	4ZT4.1-G21		TWG II 224E1		1700*800*1200	2000*950*1420
10	SD-SZ68	68	74	54	59	4ZTAA4.1-G21		TWG II 224E1		1700*800*1200	2000*950*1420

50HZ GEN SET POWERED BY SHANGHAI SME											
S/N	Gen set model	Prime power (kva)	Standby power (kva)	Prime power (kva)	Standby power (kw)	Engine model	Speed governor	Alternator	Controller	Open type dimension (mm)	Silent type dimension (mm)
								Marathon	Deep sea		
1	SD-SC675	675	743	540	594	S6R2-PTA-C	Electronic	MX-560-4	DSE6020	D540MG-30-010	3730*1615*2090
2	SD-SC750	750	825	600	660	S6R2-PTAA-C		MX-600-4		D600MG-30-010	3980*1700*2025
3	SD-SC1275	1275	1403	1020	1122	S12R-PTA-C		MX-1030-4		D1000MG-30-010	4590*2200*2515
4	SD-SC1375	1375	1513	1100	1210	S12R-PTA2-C		MX-1240-4		D1000MG-30-010	4590*2200*2515
5	SD-SC1500	1500	1650	1200	1320	S12R-PTAA2-C		MX-1240-4		D1200MG-30-010	5120*2225*2560
6	SD-SC1700	1700	1870	1360	1496	S16R-PTA-C		MX-1600-4		D1500MG-30-010	5540*2200*2565
7	SD-SC1875	1875	2063	1500	1650	S16R-PTA2-C		MX-1600-4		D1500MG-30-010	5540*2200*2890
8	SD-SC2000	2000	2200	1600	1800	S16R-PTAA2-C		MX-1600-4		D1600MG-30-010	5870*2210*2820
9	SD-SC2250	2250	2475	1800	1980	S16R2-PTAW-C		MX-1800-4		D2000MGE-30-010	6200*2555*2990

TECHNICAL PARAMETERS

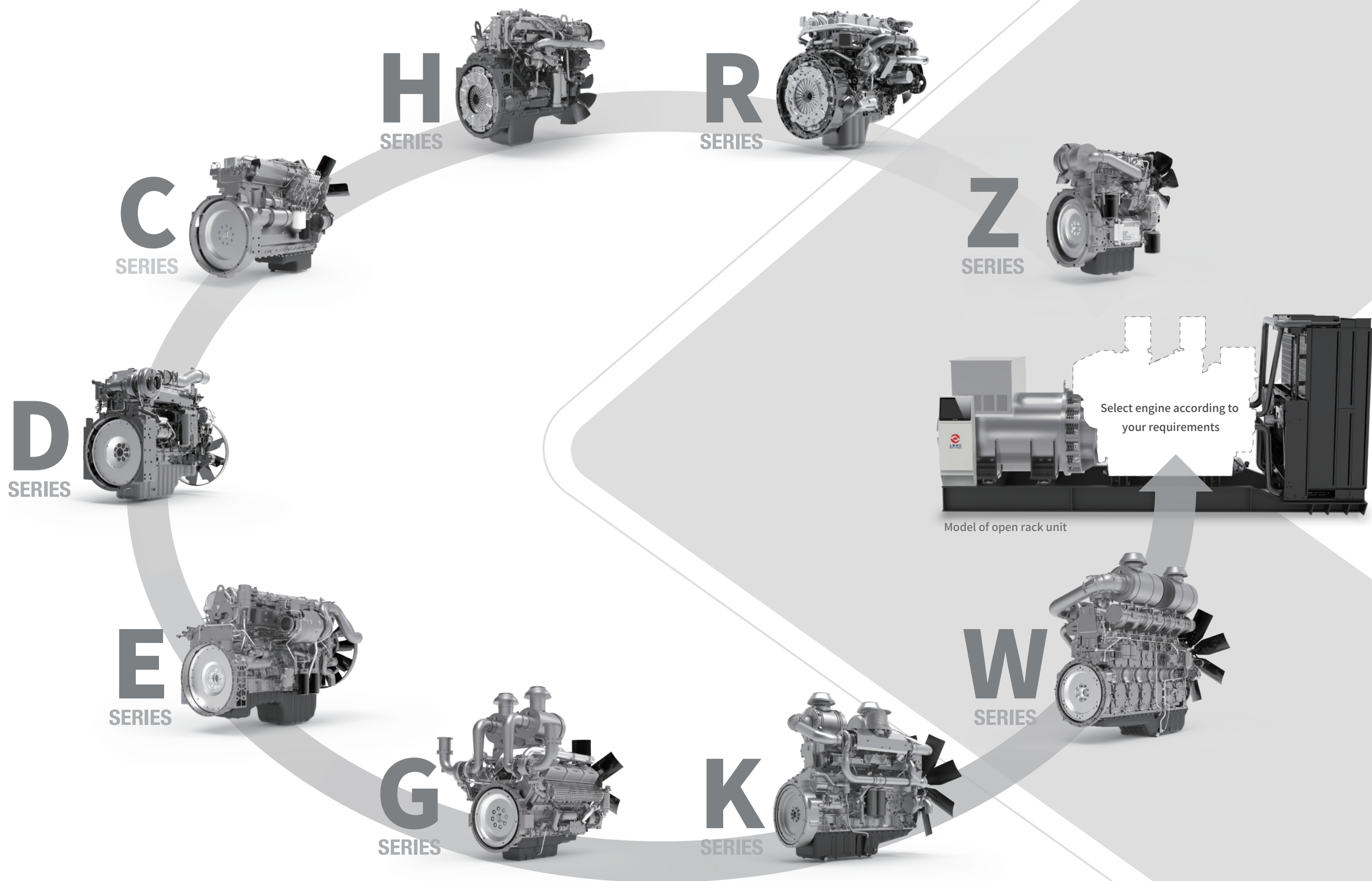
60HZ GEN SET MODEL LIST FOR CHINA EMISSION LEVEL 3 （230V, 3P,PF=0.8）											
S/N	Gen set model	Prime power (kva)	Standby power (kva)	Prime power (kw)	Standby power (kw)	Engine model	Speed governor	Alternator	Controller	Open type dimension (mm)	Silent type dimension (mm)
								Kaijieli	Deep sea		
1	SD-SC63L	63	69	50	55	4HT4.3-G21	ECU	TWG II 224C1	DSE6020	1800×915×1215	2100×1065×1435
2	SD-SC69L	69	76	55	61	4HT4.3-G22		TWG II 224DC1		1800×915×1215	2100×1065×1435
3	SD-SC90L	90	99	72	79	4HT4.3-G23		TWG II 224FC1		1800×915×1215	2100×1065×1435
4	SD-SC113L	113	124	90	99	4HTAA4.3-G21		TWG II 224G1		1990×990×1270	2290×1140×1490
5	SD-SC125L	125	138	100	110	4HTAA4.3-G22		TWG II 274B1		1990×990×1355	2290×1140×1575
6	SD-SC150L	150	165	120	132	6HTAA6.5-G21		TWG II 274CC1		2230*1050*1370	2530*1200*1590
7	SD-SC160L	160	176	128	141	6HTAA6.5-G22		TWG II 274D1		2340*1050*1370	2640*1200*1590
8	SD-SC206L	206	227	165	182	6HTAA6.5-G23		TWG II 274F1		2410*1050*1470	2710*1200*1690
9	SD-SC225L	225	248	180	198	6DTAA8.9-G21		TWG II 274FC1		2480*1120*1505	2780*1270*1725
10	SD-SC250L	250	275	200	220	6DTAA8.9-G24		TWG II 274H1		2530*1120*1620	2830*1270*1840
11	SD-SC275L	275	303	220	242	6DTAA8.9-G23		TWG II 274H1		2530*1120*1620	2830*1270*1840
12	SD-SC350L	350	385	280	308	6ETAA11.8-G21		TWG II 314C1		3120*1380*1730	3420*1530*1950
13	SD-SC400L	400	440	320	352	6ETAA12.8-G21	Electronic	TWG II 314D1		3120*1380*1730	3420*1530*1950
14	SD-SC450L	450	495	360	396	6ETAA12.8-G32		TWG II 314E1		3120*1380*1730	3420*1530*1950
15	SD-SC500L	500	550	400	440	6ETAA12.8-G310.1		TWG II 354B1		3120*1380*1730	3420*1530*1950
16	SD-SC563L	563	619	450	495	6KTAA25-G36		TWG II 354B1		\	\
17	SD-SC625L	625	688	500	550	6KTAA25-G35		TWG II 354C1		\	\
18	SD-SC700L	700	770	560	616	6KTAA25-G33		TWG II 354D1		\	\
19	SD-SC750L	750	825	600	660	6KTAA25-G32.1		TWG II 354DC1		\	\
20	SD-SC825L	825	908	660	726	6KTAA25-G31.1		TWG II 354E1		\	\

Remark of Gen Set:

Standard gen set incude of Engine ,Alternator ,Controllor,Radiator Base Frame and Base fuel tank .Battery,Battery Charger and Silencer. Ats is optional. Breaker is equiped for prime 625kva and below gen set,for gen set above 625kva,the breaker is optional.For 625kva above,the Fuel tank is also optional.Should you need know more,Please contact our sales.

60HZ GEN SET MODEL LIST POWERED BY ENGINE Z SERIES （230V, 3P,PF=0.8）											
S/N	Gen set model	Prime power (kva)	Standby power (kva)	Prime power (kva)	Standby power (kw)	Engine model	Speed governor	Alternator	Controller	Open type dimension (mm)	Silent type dimension (mm)
								Kaijieli	Deep sea		
1	SD-SZ11L	11	12	9	10	3Z1.1-G42	High Pressure Common Rail Injection System	TWG II 164B1	DSE6020	1350*700*950	1650*850*1170
2	SD-SZ15L	15	17	12	13	3ZT1.1-G42		TWG II 164C1		1350*700*950	1650*850*1170
3	SD-SZ20L	20	22	16	18	4Z2.3-G21	Electronic	TWG II 184E1		1350*700*950	1650*850*1170
4	SD-SZ25L	25	28	20	22	4Z2.7-G21		TWG II 184E1		1400*700*1000	1700*850*1220
5	SD-SZ30L	30	33	24	26	4Z3.0-G21		TWG II 184F1		1400*700*1000	1700*850*1220
6	SD-SZ38L	38	41	30	33	4Z3.2-G21		TWG II 184G1		1400*700*1000	1700*850*1220
7	SD-SZ45L	45	50	36	40	4ZT3.2-G21		TWG II 184H1		1650*700*1180	1950*850*1400
8	SD-SZ63L	63	69	50	55	4ZT3.5-G21		TWG II 224C1		1650*700*1180	1950*850*1400
9	SD-SZ75L	75	83	60	66	4ZT4.1-G21		TWG II 224D1		1700*800*1200	2000*950*1420
10	SD-SZ80L	80	88	64	70	4ZTAA4.1-G21		TWG II 224E1		1700*800*1200	2000*950*1420





The Advantages of IWA Gen Set

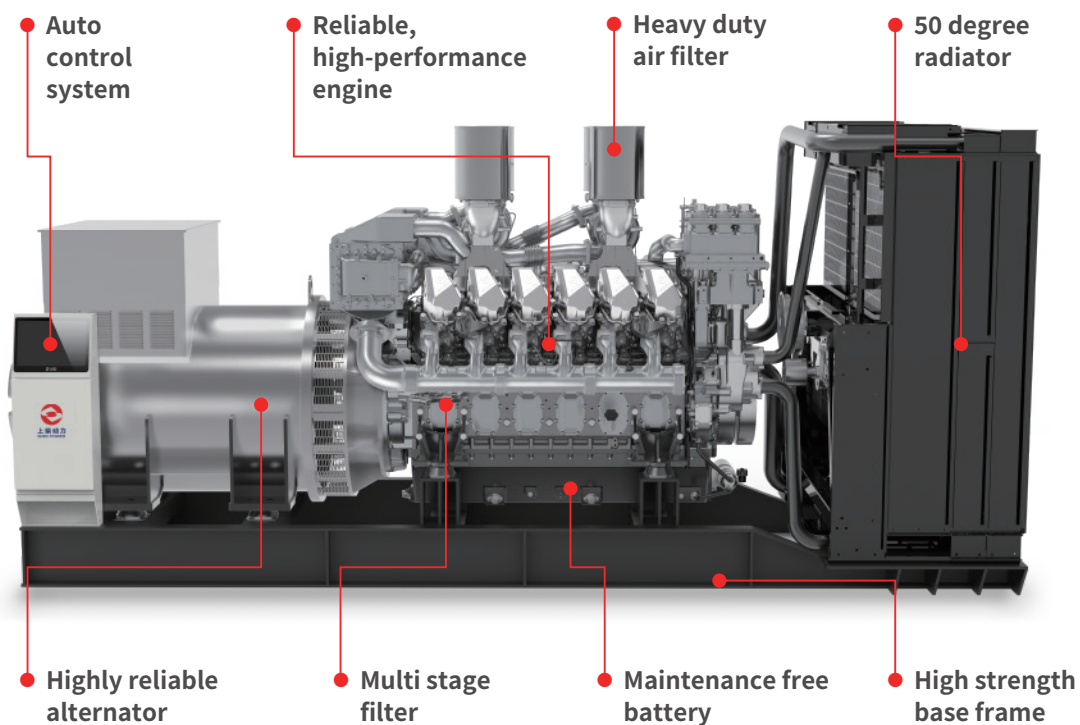
IWA generator sets provide customers with reliable, safe, energy-saving, environmentally friendly and intelligent backup power Source and base station power supply; can be widely used in mines, ports, communications, transportation, airports, hotels, Data centers and other industries; suitable for special environments such as isolated islands, deserts, mountains, and extremely weather regions

Open type gen set

Power Range
8-2400KW(10-3000KVA)

Advantages:

- Designed to meet international safety standards;
- Meet modern power management requirements through open communication protocol and dedicated PLC software real-time remote monitoring requirements;
- The compact design is convenient for transportation
- Precisely designed heat dissipation system ensures that the unit can meet the working conditions of all-weather use;
- High-efficiency vibration absorption measures ensure the smooth operation of diesel generators;
- Select the internationally renowned brand control module to provide perfect control and protection functions;
- The optional redundant design further improves the reliability of the control system;



Containerized gen set

Power range
20-2000KW(25-2500KVA)

Advantages:

- The standard container has a CSC certificate, which is convenient for export and saves transportation costs;
- The container base adopts anti-leakage design, which can prevent external pollution caused by oil machine leakage;
- LED lights are installed outside and inside the container for on-site lighting;
- An optional refueling device and oil level display can be installed outside the box to facilitate external refueling;
- Embedded climbing ladder is designed on the outside of the box, which is convenient for personnel to do maintenance;
- The top of the box is designed with an adjustment port for the unit in place, which is convenient for the hoisting and alignment of the unit;
- Reserved space in the cabinet for easy maintenance;
- The professionally designed cabinet integrated mute technology meets the requirements of different noise reduction levels;

The design, material selection and manufacture of the silent power station have fully considered its use environment, rainproof, waterproof Snow, soundproof, heat insulation, sunscreen, anticorrosion etc

Trailor Type Gen Set

Power range
40-1200KW(50-1500KVA)

Features:

- Trailer-type Gen set features: steel spring suspension structure, adjustable bolt-type traction frame, can be arbitrarily. In addition, the four corners of the frame are equipped with mechanical support devices, equipped with inertial brakes, and the machine Mechanical parking brake and emergency separation brake, turn signals and brake lights at the rear;
- Reserved space in the cabinet for easy maintenance;
- LED lights are installed outside and inside the box for on-site lighting;
- An optional refueling device and oil level display can be installed outside the box to facilitate external refueling;
- The box adopts anti-leakage design, which can prevent the oil machine from external pollution caused by leakage;



Controlly system

Optional Modules

IWA choose COMAP AMF25, , Deepsea 7320MKII for auto start operation.
DSE 8610MKII, IG200 which can be used to synchronizing the gen sets.

Automatic starting control module (AMF) in case of mains failure

- DEEP SEA DSE 7320MKII
- COMAP AMF25

Automatic paralleling module

- DEEP SEA DSE 8610MKII
- COMAP IG200

AMF function

It means that when the control module detects the under voltage, voltage loss and phase loss of the mains power, it judges the fault and sends the self starting command to the generator set at the same time. When the generator set rises to the rated speed voltage, it will automatically switch on to replace the mains power supply.

Dual power supply automatic switching cabinet

- When the mains voltage is lower than the normal voltage, the ATS will automatically start the emergency genset within an adjustable time,Then switch the load power from the mains generator set to The emergency generator set supplies power to the load.
- When the mains voltage returns to normal, the ATS will automatically The load power is switched from the generator set to the mains, and then The generator set stopped working.

In case of unmanned operation

The main power supply and emergency power supply can be switched mutually

Rated current (A)	Suoyang	Schneider	ABB
	ATS Breaker brand	ATS Breaker brand	ATS Breaker brand
40A	SYK2-40A	WTS-B 40/4A	OTM40F4CM230V
63A	SYK2-63A	WTS-B 63/4A	OTM63F4CM230V
80A	SYK2-80A	/	OTM80F4CM230V
100A	SYK2-100A	WTS-B 100/4A	OTM100F4CM230V
125A	SYK1-125A	WTS-B 125/4A	OTM125F4CM230V
160A	SYK1-160A	WTS-B 160/4A	OTM160F4CM230C
250A	SYK1-250A	WTS-B 250/4A	OTM250F4CM230C
400A	SYK1-400A	WTS-B 400/4A	OTM400F4CM230C
630A	SYK1-630A	WTS-B 630/4A	OTM630F4CM230C
800A	SYK1-800A	/	OTM800F4CM230C
1000A	SYK1-1000A	/	OTM1000F4CM230C
1250A	SYK1-1250A	/	OTM1250F4CM230C
1600A	SYK1-1600A	/	OTM1600F4CM230C
2000A	SYK1-2000A	/	OTM2000F4CM230C
2500A	SYK1-2500A	/	OTM2500F4CM230C
3200A	SYK1-3200A	/	/

Independent AMF Panel



DEEP SEA DSE 7320MK II module



COMAP AMF25 module

Parallel cabinet



DEEP SEA DSE 8610MKII module



COMAP IG200 module

Internet of Everything, Smart Power Generation

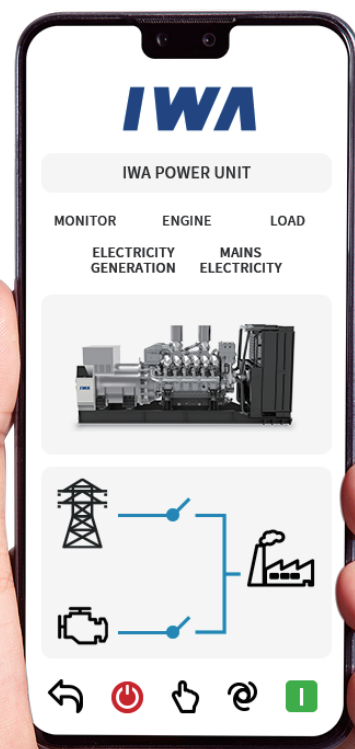
China's diesel generator set industry is in an important period of product structure adjustment. Based on environmental requirements and the development of network technology, greening, intelligence, networking and integration are the future development directions to meet the daily management and monitoring of generator sets and provide value-added power services.

For multi machine parallel applications with complex load management, the integrated master control system is combined with the generator set controller to form an unattended fully automatic power management platform. No matter from the operation level or from the security point of view, we will provide reliable guarantee. The management platform can easily add specific functions to specific applications:

- Complete system monitoring through touch screen
- Complete all system logic control with programmable controller
- Functional integration design according to user requirements
- Intelligent network communication function (integrated cloud monitoring platform function)

APP management system

- Order management APP
- Service management APP
- Service Engineer APP
- User APP
- Lease management APP
- Lease Engineer APP
- Tenant APP



Optional Items & Detail Photos

1.Copper Bus bar

2.Oil/Water Separator

3.Anti-Vibration Damper

4.Maintenance Free battery

5.Tank filler

6.Air filter element

7.Noise reduction system at air inlet and air exhaust

8.Ladder

9.Multi level filter

10.Drainage

11.Base fuel tank

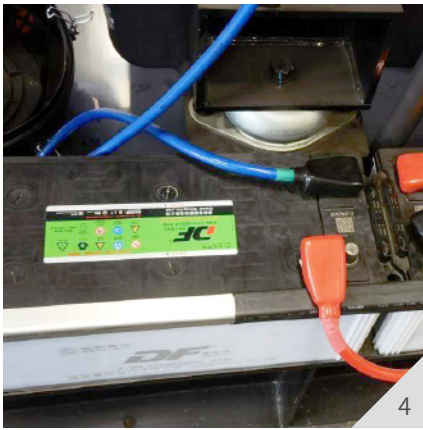
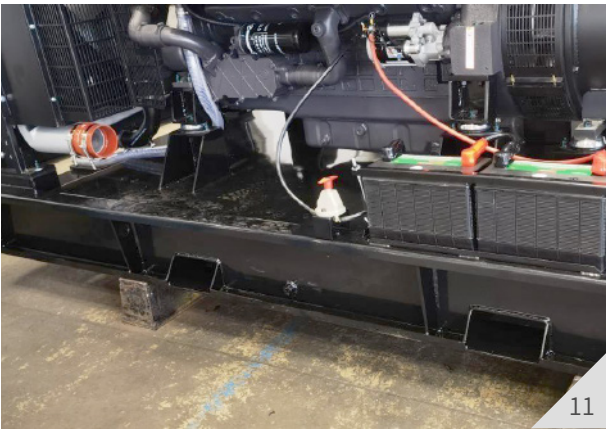
12.Independent fuel tank

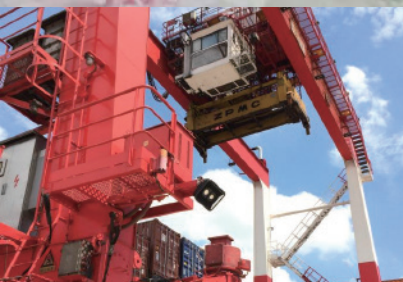
13.Lamps

14.Emergency stop button

15.Sound absorption Materials

16.Forklift pockets,lifting Hole





2019-
China Railway Intermodal Transport

2018-
Yuyao Water Conservancy Emergency Power Supply

2019-
Pudong Sinopharm Group

2019-
SAIC Zhengzhou Data Center

2020-
S. F Group

2022-
CGN offshore wind power platform

2018-
Hong Kong-Zhuhai-Macau Bridge

2016-
Shanghai Zhendong Port Machinery Co., Ltd

2018-
Hangzhou Steel Factory

2019-
For Petrol project in Brunei

2018-
Shanghai New Changning Group





**LOCAL
DISTRIBUTOR**



Intelligence Wins Achievements

Shanghai IWA Power Generator Set Catalogue

A Leading Power Solutions Provider

