

Global Data Center
Projects Distribution Map



aksa POWER
GENERATION

Data Center Solutions

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Official Website

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Please contact AKSA for product details and the latest configuration

Tier III, Tier IV Compliant
UptimeInstitute®

KAZANCI HOLDING

Aksa is headquartered in Istanbul and belongs to the Kazanci Holding Group, which has a 60-year history and is renowned in Europe.

Aksa's business primarily covers power generation, energy, natural gas, electricity, agriculture and tourism. Aksa has approximately 12,000 employees worldwide and its global revenue reached 6.5 billion dollars by 2024.

Global
leading brand

Production
bases located on
three continents

Sell to
178 countries



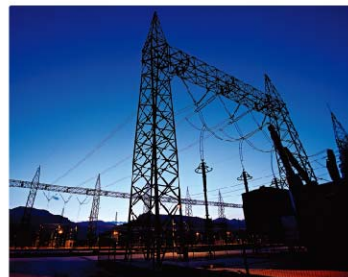
AKSA POWER GENERATION



AKSA ENERGY



AKSA NATURAL GAS



AKSA ELECTRICITY



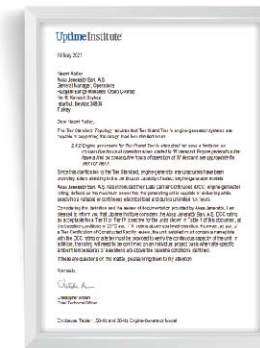
AKSA AGRICULTURE



AKSA TOURISM



*TLC



*Uptime Institute Letter



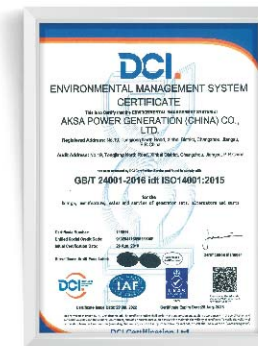
GB/T2820 Reviser



High-Tech Enterprise



ISO9001



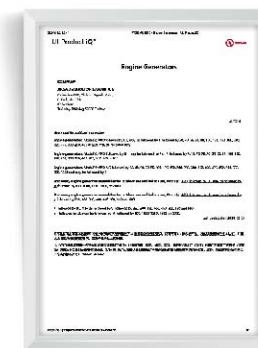
ISO14001



ISO45001



CE



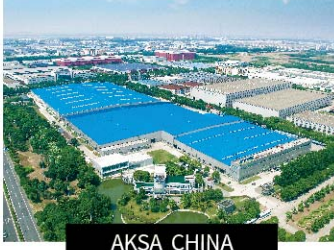
UL2200



TSE-ISO8528-5

Certificate with * is suitable for data centers

AKSA POWER GENERATION GLOBAL BUSINESS



AKSA CHINA



AKSA TURKEY



AKSA USA



AKSA SPAIN

Aksa power generation has nearly half a century of experience and professional knowledge in the research & development, production, and after-sales service of generator sets worldwide, and is one of the leading generator set brands in the world.

Aksa power generation has four production bases located in China, Turkey, the USA and Spain. Aksa power generation manufactures diesel generator sets, gasoline generator sets, natural gas generator sets, lighting towers and marine generator sets with a range from 1kW to 2750kW. Aksa power generation provides leasing solutions and system integration and construction for various temporary or long-term power stations, as well as professional solutions for data centers and other industries. Aksa power generation has obtained international ISO management system certifications and meets stringent product standards in regions and countries including the EU, CIS, Africa, and China.

Aksa power generation has established wholly-owned sales and service centers in key locations globally, such as Turkey, China, Dubai, Singapore, Kazakhstan, Vietnam and Algeria. Through nearly 100 distribution centers, the company delivers its high-quality products, services, and solutions to customers in 178 countries and regions worldwide.



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AKSA GLOBAL SALES AND SERVICE SYSTEM



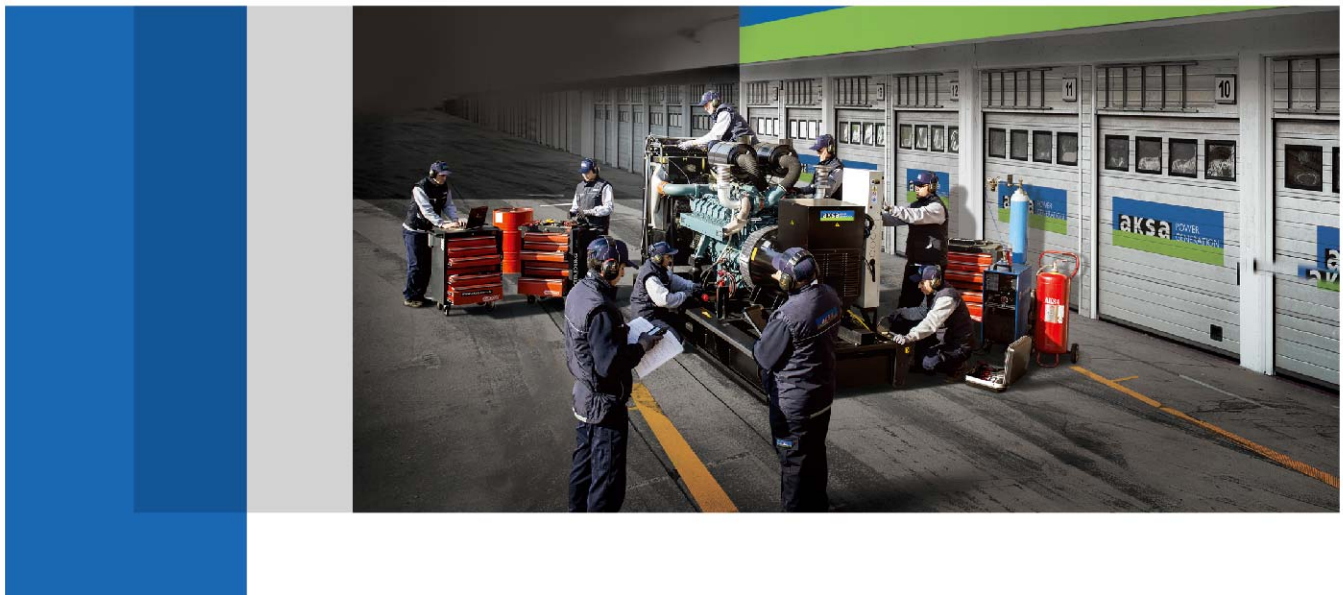
100+

Sales and Service
Centers



7 Days / 24 Hours

Response



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A WORLD'S LEADING GENERATOR SETS BRAND



Aksa power generation has nearly half a century of experience and expertise in the research & development, production, and after-sales service of generator sets worldwide, making it a globally leading brand in the generator set industry.

Aksa power generation invested in Changzhou, China, in 2007, focusing primarily on the production and research and development of generator sets and accessories.

The base covers an area of 120,000 square meters and has an annual production capacity of 24,000 units. It has 16 modern testing rooms equipped with fully computerized control platforms, and the testing capacity can reach 25 MW. Currently, Aksa power generation has become one of the world's largest manufacturers of generator sets.

Aksa power generation delivers highly effective solutions for the data center industry, continuously enhancing designs, products, and infrastructure to ensure the highest level of reliability for emergency power systems. While serving hundreds of countries worldwide, Aksa's products and designs meet the needs of data center users, which remains our constant focus. In data center power systems, Aksa power generation has obtained approval from the Uptime Institute, and 73 product models comply with Tier III and Tier IV standards.

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AKSA POWER GENERATION ASIA PACIFIC PRODUCTION BASE

The production base is equipped with advanced production lines, panel workshop, and sheet metal workshop. As well as the latest global testing equipment, the total testing capacity can reach 25MW.



Area
120,000 m²

Annual capacity
24,000 units

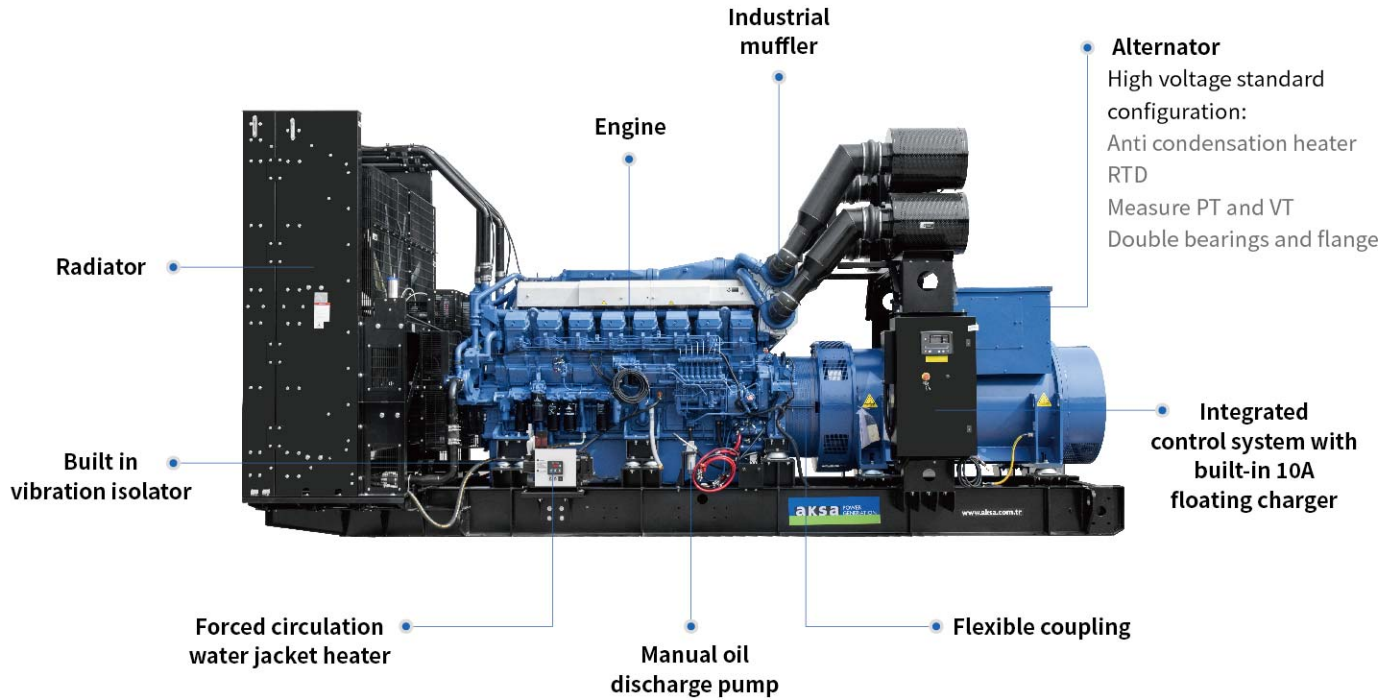


AKSA DATA CENTER GENERATOR SET

50Hz High voltage generator set

Model	Engine Model	DCP Rating (kW)	Alternator Model (10.5kV-11kV)
AC2250-HV	QSK60-G4	1600	S9H1D-B
AC2500-HV	QSK60-G8	1800	S9H1D-C
AC2750-HV	QSK60-G23	2000	S9H1D-D
AC3000-HV	QSK78-G9	2100	S9H1D-E
APD2250M-HV	S16R-PTAA2	1600	S9H1D-B
APD2500M-HV	S16R2-PTAW	1800	S9H1D-C
APD2750M-HV	S16R2-PTAW2-E	2000	S9H1D-D

Data Center Power (DCP) Rating is in accordance with ISO8528-1.



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AKSA DATA CENTER GENERATOR SET

50Hz High voltage generator set configuration

Items		Configuration
Engine	Engine	●
	Redundant starter motor, Fuel-water separator	○
Alternator	Double bearing, Insulation/temperature rise class H/F , Measuring CT & VT, DVR	●
	Protection class IP23, Anti condensation heater, Winding and bearing temperature sensor	●
	Differential protection CTs	○
Electrical system	Control Panel, Control module, RTD expansion module, JW heater, Battery charger	●
	Differential protection relay, Battery	○
	Sync. system	○
Cooling system	Radiator	●
Baseframe and AVM	Coupling, Baseframe, Vibration isolator	●
Exhaust system	Silencer, Flex pipe	●
Container	Container and related configurations, Testing and certification	○
Accessories	Oil, Coolant	○

Container configuration			
40HC container	●	Customizable special container	○
Stainless steel door lock	●	Electric louvers	○
Residential Type silencer	●	Super silent sound attenuation system	○
Electrical, ventilation and sound attenuation system	●	Built in daily fuel tank system	○
		Automatic fire protection system	○
		2 hours fire resistance test	○

Note: “●” is standard, “○” is optional

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AKSA DATA CENTER GENERATOR SET

50Hz Low voltage generator set

Genset Model	Engine Model	DCP Rating (kW)	Alternator Model	Open type Dimensions	
				L × W × H(mm)	Weight (kg)
AC550	QSX15-G8	400	HCI544C	3296 × 1550 × 2103	3790
AC700	VTA28-G5	510	HCI544F	3743 × 1550 × 2254	5660
AC880	QSK23-G3	640	S6L1D-C	4124 × 1911 × 2261	6500
AC1100	QST30-G4	800	S6L1D-E	4272 × 1950 × 2217	7100
AC1100K	KTA38-G14	800	S6L1D-E	4370 × 2060 × 2168	8450
AC1410	KTA50-G3	1008	S6L1D-H	4916 × 1799 × 2219	9850
AC1675	KTA50-G8	1120	S7L1D-C	5593 × 2100 × 2530	10500
AC2250	QSK60-G4	1600	S7L1D-G	5960 × 2250 × 2541	14200
AC2500	QSK60-G8	1800	S7L1D-J	5953 × 2380 × 3150	16000
AC2750	QSK60-G23	2000	S7L1D-J	5953 × 2380 × 3150	15610
AC3000	QSK78-G9	2100	S7L1D-K	7984 × 3118 × 3647	20000
APD1425M	S12R-PTA	1024	S6L1D-H	4390 × 2040 × 2217	9300
APD1650M	S12R-PTAA2	1200	S7L1D-C	4980 × 2192 × 3022	10450
APD1915M	S16R-PTA	1388	S7L1D-F	5148 × 2245 × 2545	12600
APD2250M	S16R-PTAA2	1600	S7L1D-G	5700 × 2192 × 3390	13400
APD2500M	S16R2-PTAW	1800	S7L1D-J	6146 × 2380 × 3392	14700
APD2750M	S16R2-PTAW2-E	2000	S7L1D-J	6840 × 2440 × 3283	18900

Data Center Power (DCP) Rating is in accordance with ISO8528-1.

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AKSA DATA CENTER GENERATOR SET

50Hz Low voltage generator set configuration

Items		Configuration
Engine	Engine	●
	Redundant starter motor, Fuel-water separator	○
Alternator	Single bearing, insulation/temperature rise class H/H , measuring CT, AVR, Protection class IP23	●
	Differential protection CTs, Anti condensation heater, Winding and bearing temperature sensor	○
Electrical system	Control Panel, Control module, JW heater, Battery charger	●
	RTD expansion module, Differential protection relay, Battery	○
	Sync. system and switchgears	○
Cooling system	Radiator	●
Baseframe and AVM	Baseframe, Vibration isolator	●
Exhaust system	Silencer, Flex pipe	●
Container	Container and related configurations, Testing and certification	○
Accessories	Oil, Coolant	○

Note: “●” is standard, “○” is optional

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AKSA DATA CENTER GENERATOR SET

60Hz Low voltage generator set**

Genset Model	DCP Rating (kW)	DCP Rating (kVA)
AC500-6	360	450
AC626-6	448	560
AC750-6	544	680
AC1013-6	732	915
AC1149-6	828	1035
AC1269-6	916	1145
AC1575-6	1108	1385
AC1894-6	1264	1580
AC2500-6	1800	2250
AC3438-6	2500	3125
AUDC400-6*	360	450
AUDC500-6*	448	560
AUDC600-6*	545	681
AUDC800-6*	725	906
AUDC1000-6*	900	1125
AUDC1250-6*	1120	1400
AUDC1500-6*	1360	1700
AUDC1600-6*	1460	1825
AUDC2000-6*	1800	2250
AUDC2250-6*	2000	2500
AUDC2500-6*	2300	2875

Data Center Power (DCP) Rating is in accordance with ISO8528-1.

* Compliant with EPA emission certification.

** The low voltage range of the generator set is 208V-480V, and the high voltage range is 3.3kV-13.8kV. Different configuration at different voltage ranges.

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60Hz Low voltage generator set configuration

Items		Configuration
Engine	Engine	●
	Redundant starter motor, Fuel-water separator	○
Alternator	Single bearing, insulation/temperature rise class H/H , measuring CT, AVR, Protection class IP23	●
	Differential protection CTs, Anti condensation heater, Winding and bearing temperature sensor	○
Electrical system	Control Panel, Control module, JW heater, Battery charger	●
	RTD expansion module, Differential protection relay, Battery	○
	Sync. system and switchgears	○
Cooling system	Radiator	●
Baseframe and AVM	Baseframe, Vibration isolator	●
Exhaust system	Silencer, Flex pipe	●
Container	Container and related configurations, Testing and certification	○
Accessories	Oil, Coolant	○

Note: “●” is standard, “○” is optional

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