

Global Data Center
Project Distribution Map



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aksa POWER
GENERATION

Data Center Solutions

1500-3000 kVA
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 business mainly includes energy, natural gas, power generation, electricity, agriculture and tourism. Aksa has approximately 12000 employees worldwide and global sales reach 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



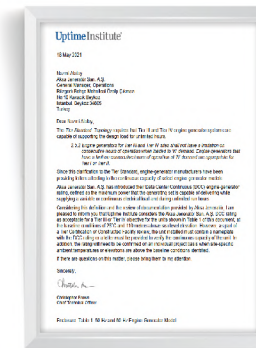
AKSA AGRICULTURE



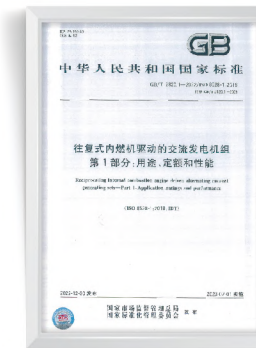
AKSA TOURISM



*TLC



*Uptime Institute Letter



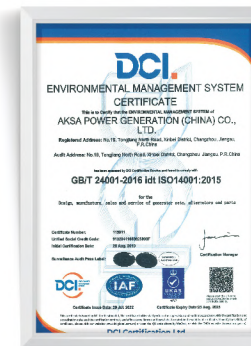
GB/T2820 Reviser



High-tech enterprises



ISO9001



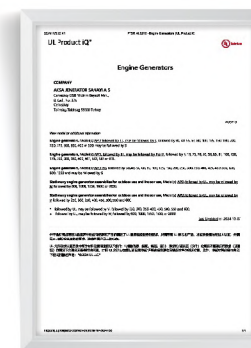
ISO14001



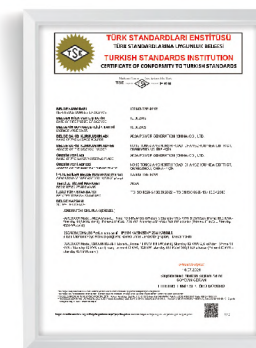
ISO45001



CE



UL2200



TSE-ISO8528-5

Certificate with * is suitable for data centers

AKSA POWER GENERATION GLOBAL BUSINESS



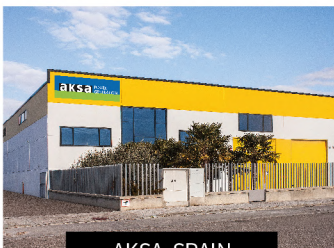
AKSA TURKEY



AKSA CHINA



AKSA USA

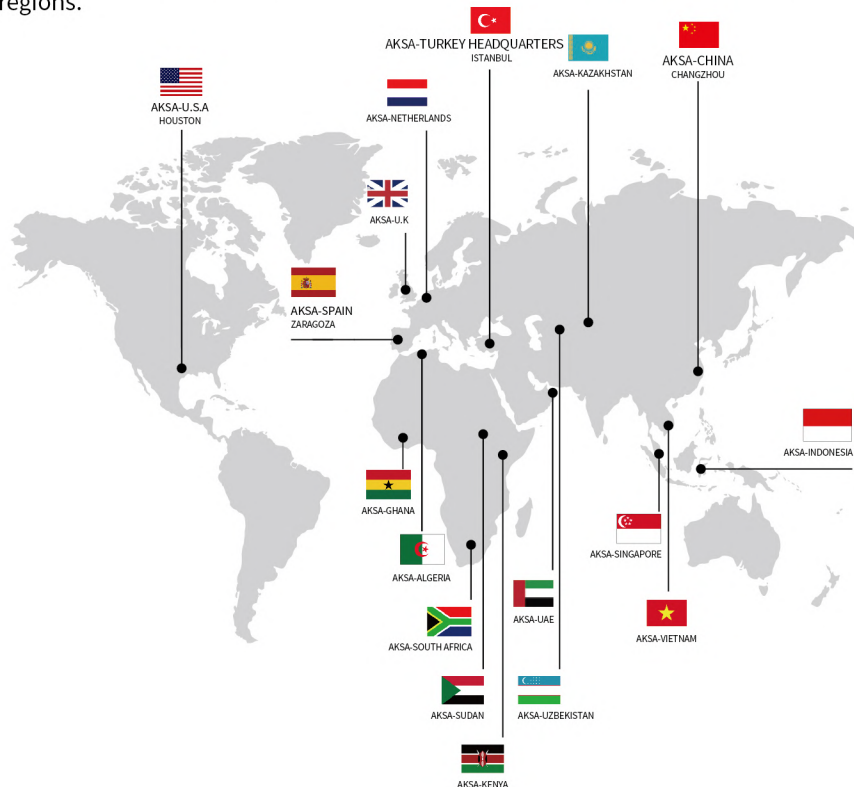


AKSA SPAIN

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 major and production bases which located in Turkey, China, USA and Spain. Aksa Power Generation manufactures diesel generator sets, gasoline generator sets, natural gas generator sets, lighting towers and marine generator sets range between 1 kW to 2750kW. Aksa power generation can provide leasing solutions and system integration construction for various temporary or long-term power stations, and also can provide professional solutions for data center and other industries.

Aksa power generation has obtained international ISO management system certification and adheres to stringent product standards in regions and countries including the EU, CIS, Africa, and China.

Aksa power generation has established wholly-owned sales and service offices in key locations such as Turkey, China, Dubai, Singapore, Kazakhstan, Vietnam, and Algeria. Leveraging a network of nearly 100 distributors and agents spread across the globe, Aksa delivers high-quality products, services, and solutions to customers in 178 countries and regions.



AKSA reserve the right of final interpretation.



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AKSA GLOBAL SALES AND SERVICE SYSTEM



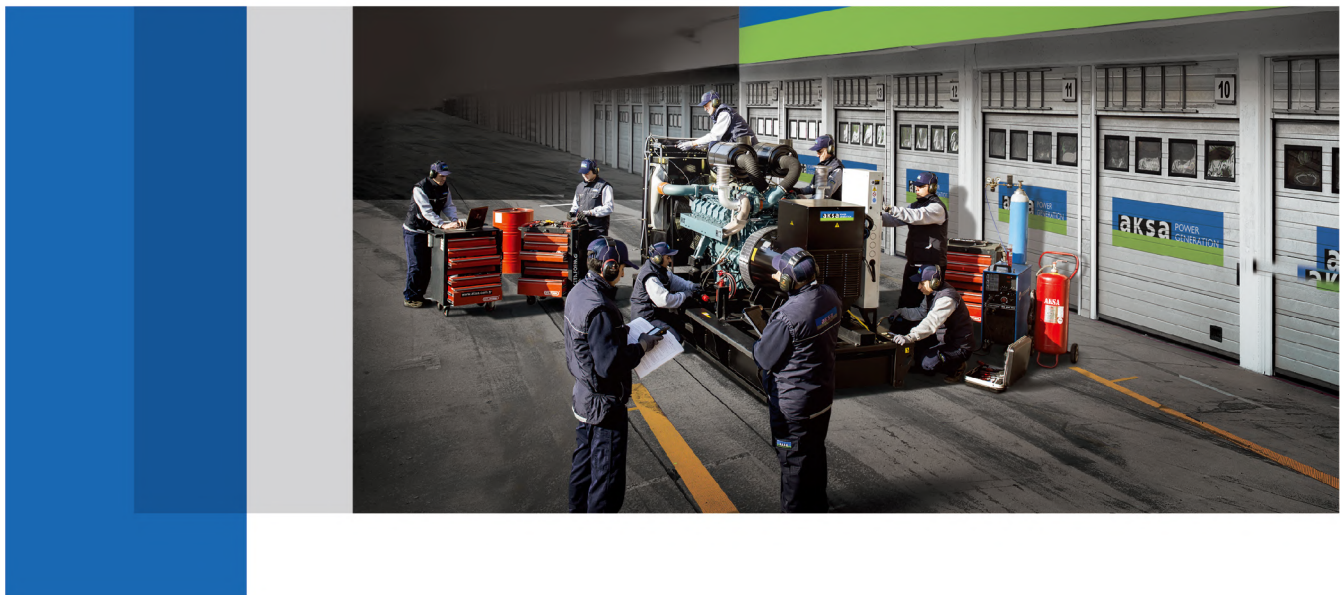
100+

Sales and Service
Centers



7 Days / 24 Hours

Response



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ONE OF THE WORLD'S LEADING GENERATOR SET BRANDS



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 invested in Changzhou, China in 2007, mainly engaged in the production and research and development activities of generator sets and accessories. The factory covers an area of 120000 square meters, with an annual production capacity of 24000 units. It has 16 modern testing rooms equipped with fully computerized control platforms and a testing capacity of 25MV with the latest global technology. The factory also has an ATS electrical cabinet production workshop. At present, Aksa power generation has become one of the world's largest manufacturers of diesel generator sets.

Aksa power generation provides the most effective solutions for the data center industry, continuously improving designs, products, and infrastructure to provide the highest level of reliability for emergency power systems. While providing services to hundreds of countries around the world, Aksa products and designs meet the needs of data center users, which is our constant focus. In the data center power system, Aksa power generation has obtained approval from 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

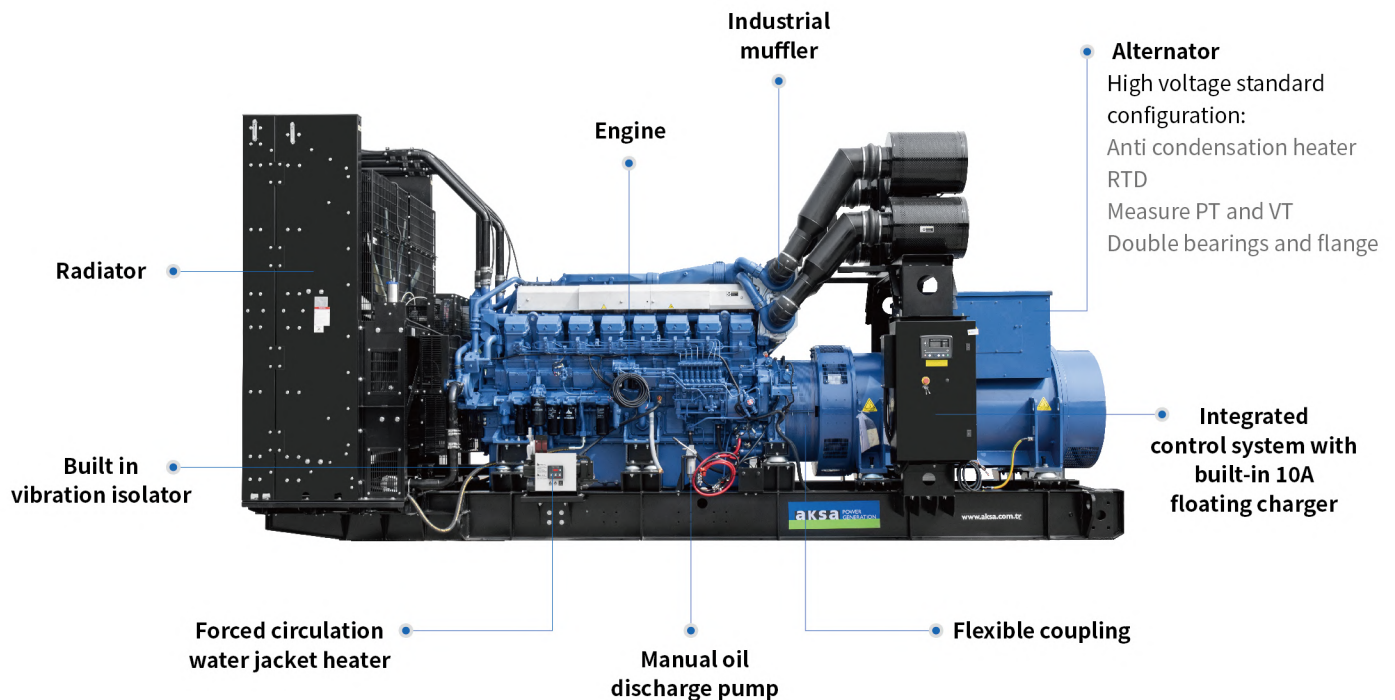
Annual
24,000 capacity



AKSA DATA CENTER GENERATOR SET

50Hz Genset Model

Model	Engine Model	DCP Rating (kW)	Alternator Model
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



Manufacturer reserves the right to make changes in model, technical specifications, color, equipment and accessories without prior notice.



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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-hour 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

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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

* 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. Please consult AKSA for detailed configurations.

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AKSA DATA CENTER GENERATOR SET

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	○

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