

aksa POWER
GENERATION

POWER YOUR FUTURE

AKSA POWER GENERATION
PRODUCT LINE CATALOG

aksa POWER
GENERATION

Aksa Power Generation HQ Aksa Power Generation LATAM

10399 Silver Springs Rd,
Conroe - Houston, 77378
Texas / USA

12320 NW 116th Ave,
Miami, FL 33178

WEB: www.aksausa.com | E-mail: sales@aksausa.com





ABOUT KAZANCI HOLDING



Kazancı Holding was founded in the 1960s and has been a leader firm in the energy sector for more than 50 years. Kazancı Holding relies on customer satisfaction and trust during its journey for manufacturing of generating sets, natural gas distribution activities, power plant installations and operations. As Turkey's largest energy group, Kazancı Holding has also become a global powerhouse through investments made all over the world with its visionary identity and innovative mindset.

GROUP COMPANIES

- Aksa Energy**
Turkey's largest independent power producer with more than 2,000 MW of installed capacity.
- Aksa Natural Gas**
Having acquired its first natural gas distribution license in 2004, Aksa Natural Gas has become Turkey's biggest natural gas distributor and has 20 distribution licenses of the Country's 60 licensed territories.
- Aksa Electricity**
Serving about 3 million subscribers in two distribution regions and distributing electricity to end users.
- Aksa Tourism**
Aksa Tourism manages 3 hotels in Turkey with over 2,000 bed capacity. Mirada Del Mar Hotel (5 star) located in Antalya. Mirada Del Lago Hotel (4 Star) and Mirada Del Monte (3 star) located in Kayseri & Erciyes.
- Aksa Agriculture**
Aksa Agriculture produces meat and milk in accordance with the EU standards on 25,000 acres of land, which is in Inanlı (Tekirdag) and Gelemen (Samsun) that are the 2 biggest farms in Turkey.

POWER YOUR FUTURE

ABOUT AKSA USA



products with NFPA 110 specifications to mobile products with Tier-4 final engine. Because, we are aware that we are in a progressive and developing industry.

Our mission, as Aksa USA, is to follow the technological developments attentively for manufacturing generator sets that fully respond to needs of our customers and to enable our customers to keep living life uninterrupted! Moreover, we aim to achieve maximum efficiency and customer satisfaction while manufacturing economical, functional and durable power generation systems.

Our vision, as Aksa USA, is to improve our global standing within the power generation sector with a steady growth increase. We count on our experienced, confident, disciplined, practical and problem-solving staff to accomplish this goal.

Aksa Power Generation USA is committed to supply the highest quality generators and services by each employee striving to satisfy the expectations and the needs of our costumers in the North America.

Aksa USA is a subsidiary of Aksa Power Generation company which is one of the top-5 global manufacturers and suppliers of diesel and natural gas generators for different sectors such as construction, mining, oil & gas, agriculture, manufacturing, healthcare, telecommunication, data-center and more. Since 1960s, Aksa has been by your side with its high-quality, reliability, customer-centric product range, after-sales services and supports you need.

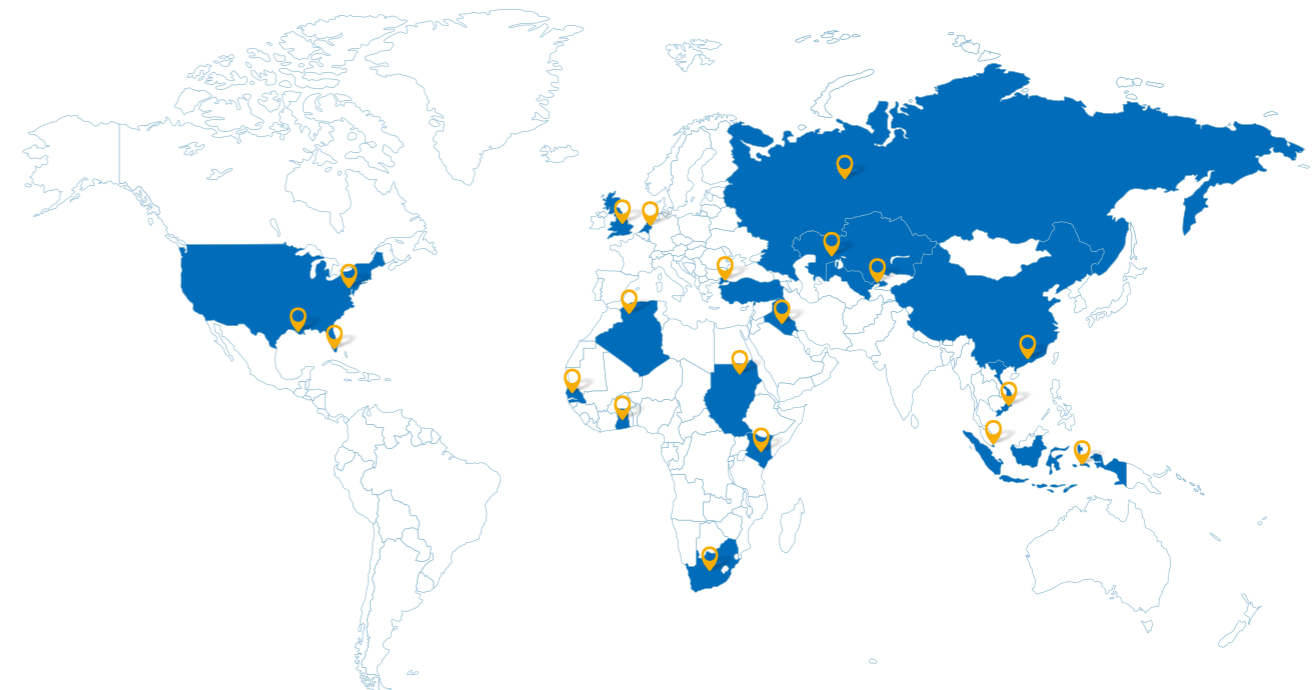
Aksa USA was founded in 2010 and its head-quarter has been located in Conroe, Houston, Texas. As a global leader in standby and prime power generation systems, AKSA Power Generation has brought our manufacturing strengths to America in order to be the high-quality and competitive price leader within our market segment. Aksa Power Generation has been manufacturing industrial generators for over sixty years. Today, we manufacture approximately 50,000 generator sets annually to meet the global generator demands of our customers from all over the world.

As Aksa Power Generation USA, our standby and mobile product ranges are engineered regarding the unique requirements of the North American market. Furthermore, these product-lines are produced in our factory in Conroe, Houston, Texas. Aksa USA offers a wide variety of generators from UL 2200 compliant

POWER YOUR FUTURE



FACTORIES AROUND THE WORLD



AKSA POWER GENERATION MANUFACTURING PRACTICES

Aksa's clients can be assured that Aksa Power Generation stays up to the date on all the latest product code requirements. Aksa manufactures to the highest national codes and standards. Our products are manufactured with the proper components, features, materials and characteristics in order to meet the requirements of the major regulatory agencies. By doing this, we can ensure that our customers are receiving the highest quality products available in the industry. Canadian customers can access 600V products with CSA compliant components designed specifically for their needs.



- EPA certified heavy duty, industrial engines
- Internationally recognized brand alternator ends
- Non-proprietary programmable control panel
- Powder coated steel or aluminum enclosures
- Standard features include jacket water heater, battery and battery charger

UL 2200 PRODUCTS



UL 2200, the standard for safety of stationary engine generator assemblies, has been widely adapted by the standby generator industry. Generator specifiers, operators and owners recognize the UL 2200 listing as a sign that the generator system has been evaluated and approved by an internationally recognized product safety organization. Aksa Power Generation received approval to apply the UL 2200 listing to our generators after a rigorous product review of the componentry used in the manufacturing of each units as well as the completed product system as a whole. The Aksa Power Generation UL 2200 review included an extensive evaluation process on componentry such as engine control module, generator set controller, fuses, cables, heat wraps, enclosures, circuit breakers, fuel systems, silencers, filters, battery chargers, etc. The UL 2200 certificate ensures that the Aksa Power Generation genertors have been tested and conform to safety standards.

UL 2200 NATURAL GAS MODELS - PSI

GENSET	ENGINE BRAND	ENGINE MODEL	ALTERNATOR BRAND	NG STANDBY POWER (kW)			
				240/120V 1PH-1.0PF	480/277V 3PH-0.8PF	208/120V 3PH-0.8	600/347V 3PH-0.8
APD-NG30	PSI	2.4L	Stamford	25	25	25	25
APD-NG40	PSI	4.3L	Stamford	37	40	40	40
APD-NG60	PSI	5.7L	Stamford	60	60	60	60
APD-NG80	PSI	5.7LT	Stamford	75	80	75	80
APD-NG100	PSI	5.7LT-CAC	Stamford	94	100	100	100
APD-NG125	PSI	8.8LT-NG	Stamford	125	125	125	125
APD-NG150	PSI	8.8LT-CAC	Stamford	150	150	145	150
APD-NG200	PSI	11L Turbo	Stamford	200*	200	200	200
APD-NG250	PSI	13L	Stamford	250*	250	250	250
APD-NG300	PSI	14.6L	Stamford	275*	300	275	300
APD-NG350	PSI	14.6L HO	Stamford	320*	350	320	350
APD-NG400	PSI	21.9L	Stamford	360*	400	360	400
APD-NG425	PSI	21.9L	Stamford	420*	425	420	425
APD-NG450	PSI	21.9L	Stamford	450*	450	450	450
APD-NG500	PSI	21.9L HO	Stamford	500*	500	500	500
APD-NG650	PSI	32L	Stamford	650*	650	650	650
APD-NG800	PSI	40L	Stamford	800*	800	800	800
APD-NG1050	PSI	53L	Stamford	1020*	1050	1020	1050

* 3PH-0.8PF

**Manufacturer reserves the right to make changes in models, technical specification, color equipment anda accessories without prior notice.

POWER YOUR FUTURE

UL2200 DIESEL MODELS - JOHN DEERE

GENSET MODEL	ENGINE BRAND	ENGINE MODEL	EPA	ALTERNATOR BRAND	STANDBY POWER (kW)			
					240/120V 1PH-1.0PF	480/277V 3PH-0.8PF	208/120V 3PH-0.8	600/347V 3PH-0.8
APD-ULJ30	John Deere	3029TFG89	T3	Stamford	25	29	29	29
APD-ULJ40	John Deere	3029HFG89	T3	Stamford	36	38	38	38
APD-ULJ55	John Deere	4045TF280	T3	Stamford	45	55	54	52
APD-ULJ65	John Deere	4045HF280	T3	Stamford	60	65	65	65
APD-ULJ80	John Deere	4045HF285	T3	Stamford	75	80	75	75
APD-ULJ100	John Deere	4045HF285	T3	Stamford	97	100	100	96
APD-ULJ125	John Deere	4045HF285	T3	Stamford	115	125	125	125
APD-ULJ150	John Deere	6068HF285	T3	Stamford	135	150	145	143
APD-ULJ180	John Deere	6068HFG82	T3	Stamford	164*	180	164	180
APD-ULJ200	John Deere	6068HFG85	T3	Stamford	200*	200	200	200
APD-ULJ250	John Deere	6090HF484	T3	Stamford	250*	250	250	244
APD-ULJ275	John Deere	6090HF484	T3	Stamford	275*	275	275	275
APD-ULJ300	John Deere	6090HFG86	T3	Stamford	300*	300	300	300
APD-ULJ350	John Deere	6135HFG84	T3	Stamford	350*	350	350	350
APD-ULJ400	John Deere	6135HFG84	T3	Stamford	400*	400	400	400
APD-ULJ500	John Deere	6135HFG75	T2	Stamford	500*	500	500	500

UL2200 DIESEL MODELS - VOLVO

GENSET MODEL	ENGINE BRAND	ENGINE MODEL	EPA	ALTERNATOR BRAND	STANDBY POWER (kW)			
					240/120V 1PH-1.0PF	480/277V 3PH-0.8PF	208/120V 3PH-0.8	600/347V 3PH-0.8
APD-ULV250	VOLVO	TAD1350GE	T3	Stamford	250	250	250	250
APD-ULV300	VOLVO	TAD1351GE	T2	Stamford	275	300	275	300
APD-ULV350	VOLVO	TAD1352GE	T3	Stamford	350	350	350	350
APD-ULV400	VOLVO	TAD1353GE	T3	Stamford	400	400	400	400
APD-ULV500	VOLVO	TAD1641GE	T2	Stamford	500	500	500	500
APD-ULV550	VOLVO	TAD1642GE	T2	Stamford	545	550	545	550
APD-ULV600	VOLVO	TWD1644GE	T2	Stamford	590	600	590	600

UL2200 DIESEL MODELS - MITSUBISHI

GENSET MODEL	ENGINE BRAND	ENGINE MODEL	EPA	ALTERNATOR BRAND	STANDBY POWER (kW)			
					240/120V 1PH-1.0PF	480/277V 3PH-0.8PF	208/120V 3PH-0.8	600/347V 3PH-0.8
APD-ULM800	Mitsubishi	S12A2-Y2PTAW-2	T2	Stamford	800	800	800	800
APD-ULM1000	Mitsubishi	S12H-Y2PTAW-1	T2	Stamford	1000	1000	1000	1000
APD-ULM1250	Mitsubishi	S12R-Y2PTAW-1	T2	Stamford	-	1250	-	1250
APD-ULM1600	Mitsubishi	S16R-Y2PTAW-1	T2	Stamford	-	1512	-	1512
APD-ULM2000	Mitsubishi	S16R-Y2PTAW2-1	T2	Stamford	-	2000	-	2000

* 3PH-0.8PF

**Manufacturer reserves the right to make changes in models, technical specification, color equipment and accessories without prior notice.

UL2200 GENSETS

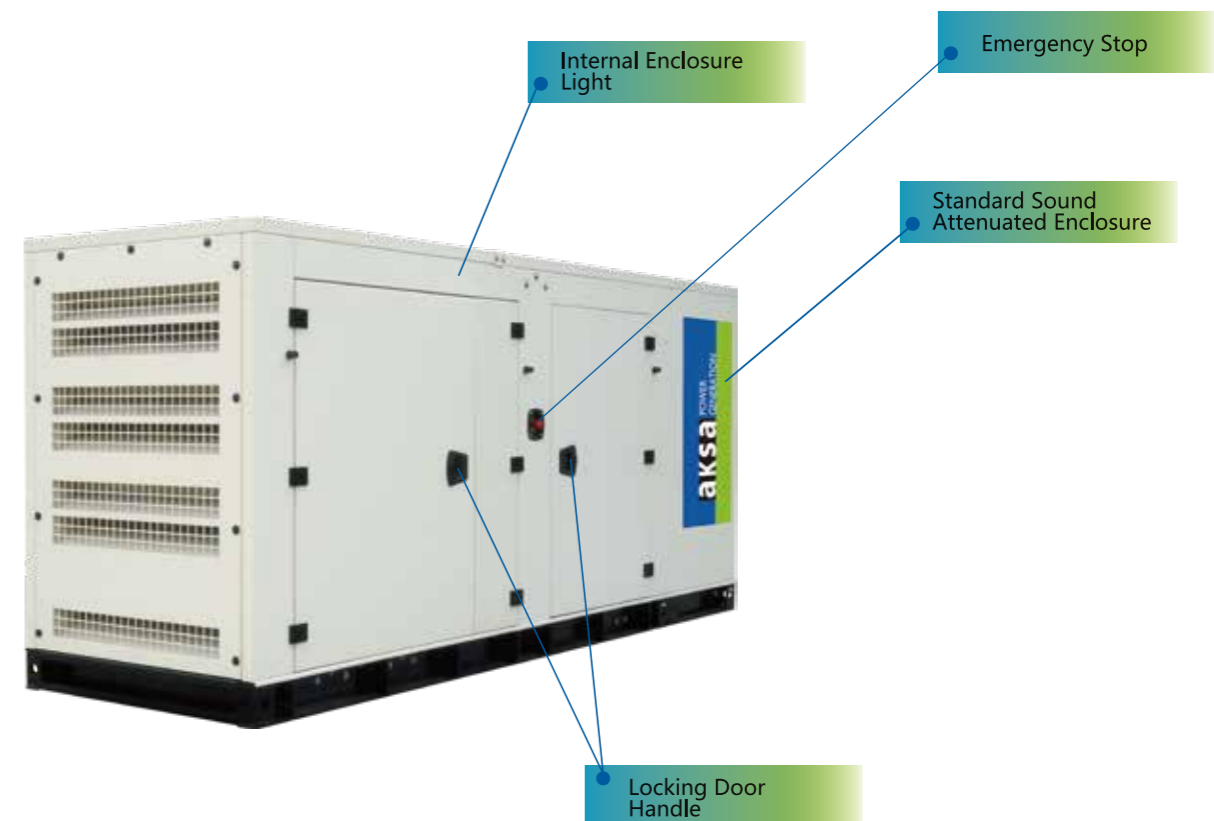


UL/CSA Approved Main Line Circuit Breaker

UL/CSA Approved Cable

UL/CSA Approved Jacket Water Heater

UL/CSA Approved Battery Charger



Internal Enclosure Light

Emergency Stop

Standard Sound Attenuated Enclosure

Locking Door Handle



Aksa is committed to providing the most effective solution to the Data Center industry with its engineering, manufacturing, distribution and customer-oriented experience and knowledge. We are constantly improving designs, products and infrastructure to provide the highest level of reliability for Emergency Power Systems. While serving the industry in hundreds of countries globally, we design our products and systems in line with the needs of Data Center users at the center of our focus.

Aksa provides reliability and ideal performance for Data Centers. All manufactured products are tested according to Uptime Institute's Tier Standards and factory manufacturing tests are carried out.

As Aksa Power Generation, we provide reliable power distribution regardless of the size of your power requirement for the data center. We manufacture and combine all major components that comply with Tier III and Tier IV operating conditions, using the industry's highest level of design and performance control.

Uptime Institute[®]

UL2200 DIESEL DCC MODELS - CUMMINS

GENSET MODEL	ENGINE BRAND	ENGINE MODEL	EPA	ALTERNATOR BRAND	ALTERNATOR MODEL	GENSET DCC POWER (kW)
AUDC400-6	Cummins	QSZ13-G7	EPA Tier3	Stamford	HCI544C	360
AUDC500-6	Cummins	QSX15-G9	EPA Tier2	Stamford	HCI544E	448
AUDC600-6	Cummins	QSK19-G5	EPA Tier2	Stamford	HCI544E	545
AUDC800-6	Cummins	QSK23-G7	EPA Tier2	Stamford	HCI634G	725
AUDC1000-6	Cummins	QST30-G5	EPA Tier2	Stamford	HCI634J	900
AUDC1250-6	Cummins	QSK38-G4	EPA Tier2	Stamford	PI734A	1120
AUDC1500-6	Cummins	QSK50-G4	EPA Tier2	Stamford	PI734C	1360
AUDC1600-6	Cummins	QSK50-G6	EPA Tier2	Stamford	PI734D	1460
AUDC2000-6	Cummins	QSK60-G6	EPA Tier2	Stamford	PI734F	1800
AUDC2250-6	Cummins	QSK78-G11	EPA Tier2	Stamford	PI734G	2000
AUDC2500-6	Cummins	QSK78-G11	EPA Tier2	Stamford	LVS1804R	2300

PRIME RATED / MOBILE MODEL GENSETS

GENSET MODEL	ENGINE BRAND	ENGINE MODEL	EPA	ALTERNATOR BRAND	PRIME POWER (kW)		
					240/120V 1PH-1PF	208/120V 3PH-0.8PF	480/277V 3PH-0.8PF
APD-EPAJ55T4	John Deere	4045HFG04-PWL	T4 Final	Stamford	45	50	50
APD-EPAJ65T4	John Deere	4045HFG04-PWL	T4 Final	Stamford	55	60	60
APD-EPAJ80T4	John Deere	4045HFG04-PWL	T4 Final	Stamford	70	75	75
APD-EPAJ110T4	John Deere	4045CG440	T4 Final	Stamford	91	125	100
APD-EPAJ140T4	John Deere	6068HFG05-PVL	T4 Final	Stamford	120	130	130
APD-EPAJ170T4	John Deere	6068HFG05-PVL	T4 Final	Stamford	140	156	156
APD-EPAJ190T4	John Deere	6068HFG06-PSL	T4 Final	Stamford	160	175	175
APD-EPAJ215T4	John Deere	6068HFG06-PSL	T4 Final	Stamford	175	197	197
APD-EPAK11T4	Kubota	D1305-E4BG	T4 Final	Stamford	9.1	9.6	9.6
APD-EPAK13T4	Kubota	D1503-M-E4BG	T4 Final	Stamford	11.9	12.4	12.4
APD-EPAV550T4	Volvo	TWD1672GE	T4 Final	Stamford	500	500	500
APD-EPAV600T4	Volvo	TWD1673GE	T4 Final	Stamford	550	550	550

Tier-4 Final engines are produced with a sensitivity to air pollution and they significantly reduce particulate matter (PM) and oxides of nitrogen (NOx) emissions at almost zero level. Aksa's TIER-4F engine EPA Series perform with a compliance to eco-friendly with EPA Tier 4F standards. These series are produced in accordance with gas emission regulations of environmentalist countries, as well as showing high performance in tough environmental conditions.

These generating sets are completely suitable for the US market. With EPA Tier-4F emission certificated Aksa John Deere (EPAJ) and Volvo (EPAV) branded diesel-engine series, Aksa offers generator sets at 10 different power nodes between 55kW and 600kW, while providing minimum carbon and particle emissions.



Aksa Mobile generators are frequently used on construction sites, telecom stations, oil and gas facilities, mining fields, etc. With our optional Voltage Selector Switch (VSS) and extremely low operating noise level, this package is ideal for use in rental fleets.

FUEL TANKS

Aksa Power Generation fuel tanks are manufactured to the high standards of the industry. Our fuel tanks are engineered to meet the rigid requirements of the Power Generation industry. Whether you need a 12-hour tank for a 10KW system or a 72-hour tank for a 2MW system, Aksa Power Generation is there to assist you with your fuel requirements.



- UL 142 or UL 2085 certified
- Double wall design
- Made in the U.S.A
- Custom fuel tanks available
- Convenient fuel port
- Comes standard with vent caps, fuel sensor and fuel gauge

SOUND ATTENUATED ENCLOSURES

- STEEL OR ALUMINUM
- LEVEL 1 or LEVEL 2 OPTIONS
- STANDARD SOUND ATTENUATION
- ELECTROPHORESES POWDER PAINTING
- WEATHER PROTECTIVE



POWER YOUR FUTURE

- All sound attenuated enclosure parts are designed with modular principles without welding assembly
- All enclosures are equipped with easy access service doors
- All enclosure parts are painted by electrostatic powder paint
- Exhaust silencer is protected against environmental influences
- Thermally insulated engine exhaust system
- Emergency stop push button is installed outside of the sound attenuated enclosure
- Lifting eye hooks on heavy duty base frame



CONTROL PANEL

DSE7310/DSE7320

Features:

- The module is used to monitor a mains supply and starts and stops a standby generating set
- Micro-processor based design
- Automatic control of mains and generator contactors
- Monitors engine performance and AC power output
- LED alarm indication
- Front panel configuration of timers and alarm trip points
- Easy push button control
- Stop/reset-manual-test-auto-mute alarm-start

Metering via LED display:

- | | |
|-------------------------------|------------------------------|
| Generator volts (L-L/L-N) | Engine temperature (°C & °F) |
| Engine oil pressure (PSI-Bar) | Plant battery volts |
| Generator ampere (L1, L2, L3) | Mains volts (Ph-Ph/Ph-N) |
| Generator frequency (Hz) | Generator kW as% of rated kW |
| Engine hours run | |
| Generator kVA, kWh setting | |
| Generator cos(σ) | |



Alarms:

- | | |
|-------------------------|------------------------------|
| Over and under Speed | Low and high battery volt. |
| Start and stop Failure | Charge fail |
| Over current | Under/over generator voltage |
| Low oil pressure | Emergency stop |
| High engine temperature | kW overload |
| Unbalanced load | Independent earth fault trip |

LED indications Four configurable LED's like:

- Mains available
- Generator available
- Mains on load
- Generator on load

DSE8610/DSE8620

Features

- | | |
|-------------------------------------|------------------------------------|
| Configurable inputs (11) | Audible alarm |
| Configurable output (8) | Fixed and flexible LED indicators |
| Voltage measurement | Event log (250) |
| Built-in governor and AVR control | Engine protection |
| kW overload alarms | Fault Condition |
| Comprehensive electrical protection | Notification to a designated PC |
| Magnetic pick-up | Front panel mounting |
| Electronic engine capability | Protected front pane programming |
| RS232 & RS485 remote communications | PC configuration |
| Modbus RTU | Configurable alarms and timers |
| Multi event exercise timer | Configurable start and stop timers |
| Back-lit LCD 4-line text display | SMS alert messaging |
| Multiple display languages | Remote monitoring |
| Automatic start/Manual start | |

Metering via LED display:

- | | |
|-------------------------------|---------------------------------------|
| Generator Volts (L-L / L-N) | Generator kVA, kWh |
| Engine oil pressure (PSI-Bar) | Generator Cos (σ) |
| Generator Ampere (L1, L2, L3) | Engine temperature (°C&°F) |
| Generator Frequency (Hz) | Plant battery volts |
| Engine hours run | Mains Volts (Ph-Ph/Ph-N) |
| | Generator kW as % of rated kW setting |

Alarms:

- | | |
|----------------------------|--------------------------------|
| Over and Under Speed | Over Current |
| Low and High Battery Volt. | Under / Over Generator Voltage |
| Start and Stop Failure | Low Oil Pressure |
| Charge fail | Emergency stop |

