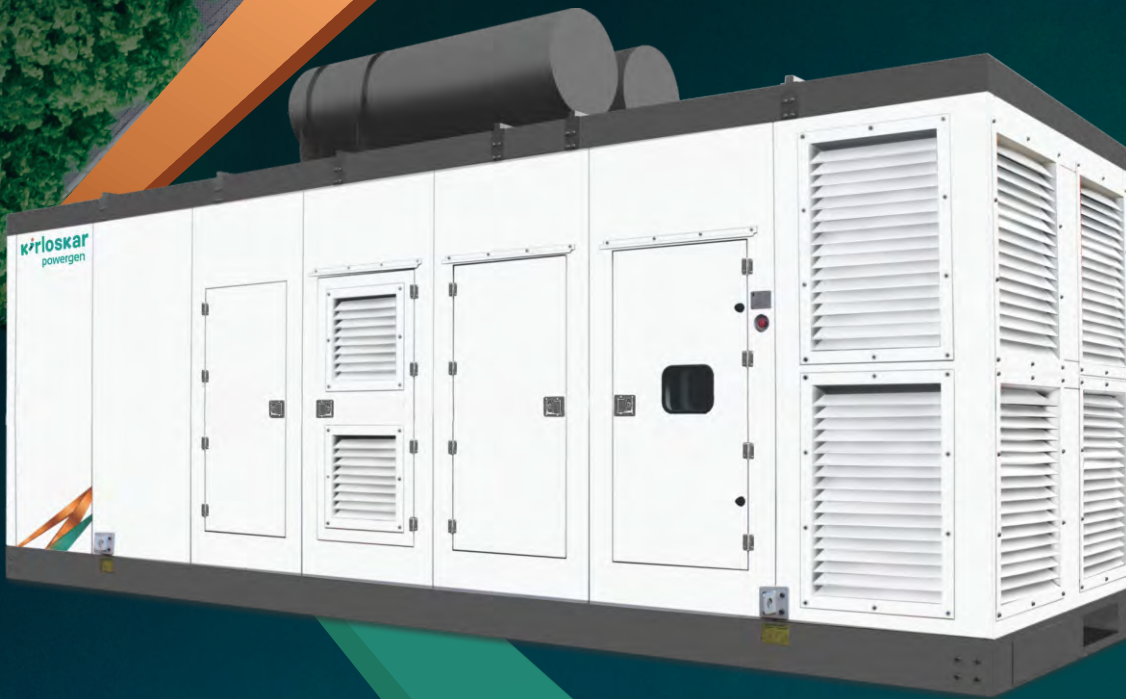


kirloskar
powergen

1010-1500 kVA

**CAQM & CPCB
COMPLIANT**



**BETTER POWER
FOR A**

limitless

T O M O R R O W

**INDIA'S LARGEST
FLEET OF GENSETS**

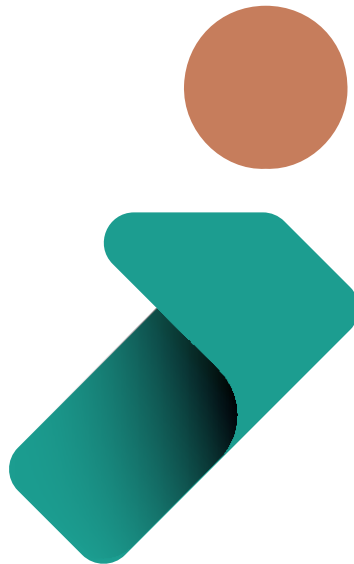


BETTER POWER
FOR A

limitless

T O M O R R O W

Cleaner • Reliable • Flexible



A RICH HERITAGE OF OVER A CENTURY OF ENGINEERING EXCELLENCE.

Kirloskar power generating sets prioritize user experience, delivering exceptional features and benefits. Streamlined installation and enhanced dependability to expedited service, reduced maintenance costs, and optimized performance.

Kirloskar Powergen sets itself apart with groundbreaking engineering that establishes new industry benchmarks.

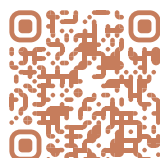
limitless **POTENTIAL, SUSTAINABLE PRACTICES**

Our state-of-the-art manufacturing facility embodies our commitment to sustainable practices. We partner with nature to power the facility itself, transforming waste into valuable resources.

This focus on sustainability inspires both our workforce and surrounding communities.

It's here, where cutting-edge technology meets exceptional skills,
that we engineer solutions to empower limitless possibilities.

Discover our Plant with a
QR Code Scan.



1010-1500 kVA TECHNICAL SPECIFICATIONS

Prime Rating at rated rpm (as per ISO 8528)	kVA	1010	1125	1250	1500	
	kW	808	900	1000	1200	
Genset Model	-	KG1-1010WS	KG1-1125WS	KG1-1250 DV16 WS	KG1-1500 WS	
Frequency	Hz	50				
Power Factor	lagging	0.8				
Voltage	V	415				
Governing class (As per ISO 8528 Part-V)	-	G3				
Noise level compliance as per CPCB norms	dBA	25 dBA Insertion loss				
Fuel tank capacity (inbuilt)	Ltrs.	990			990 (External)	
Weight of genset with enclosure (approx.)	Dry	Kg	13200	13500	13500	18750
Overall dimensions of genset with enclosure excluding silencer	Length	mm	7800	7800	7800	7600
	Width	mm	2300	2524	2524	2550
	Height	mm	2713	2758	2758	3118
Electrical Battery Starting Voltage	Volts-DC	24				
Genset Controller	-	KG745		KG1500		

ENGINE

Engine Model	-	DV16ETA G3	DV16 ETA G5	DV16 ETA G4 [#]	12K4300-E2
Rated output (Prime Continuous rating as per ISO 3046)	kW	902.6	980	1089	1313
	HP	1210	1314	1460	1760
No. of cylinder	-	16	16	16	12
Cubic capacity	Ltrs	31.84	31.84	31.84	51.73
Bore x Stroke	mm	130 x 150	130 x 150	130 x 150	170 x 190
Rated Speed	RPM	1500			
Aspiration	TC/TA	TA			
Lube Oil change period	hrs.	500 hrs / 1 Year			
Lube Oil Sump Capacity (max)	Ltrs.	130	150	150	285
Coolant Capacity with Radiator	Ltrs.	180	238	238	355

ALTERNATOR

Alternator Frame	-	KG 49.3 L10	KG 50.2 M6	KG 50.2 M6	KG 50.2 L8
Rated Current	A	1404	1564	1739	2085
Insulation Class	-	Class H			
Enclosure	-	IP 23			
Pitch Winding	-	2 / 3			
Voltage Regulation	%	± 0.5%			
Alternator Efficiency (at 100% load) 0.8 pf	%	95.1	95.2	95.1	95.5
Max Voltage Dip at Full Load 0.8 pf Lag	%	< 20			

Conformance Standards: ISO 3046 | IEC 60034-1 | ISO 8528 | IS 1460 | ISO 9001

Notes

Applicable for supplying power to varying electrical load for unlimited hours
10% Overload capability for Prime Power applications is available for 1 hour
in every 12 hours of operation as per ISO 3046 and ISO 8528

Efficiency of Alternator as per standards IEC:60034-1
Overload power for PRP applications is restricted, Availability
of Overload Power for PRP application will be dependent on
operating profile. Consult factory for details.

For Site Conditions other than standard operating conditions
consult Kirloskar Oil Engines Ltd.
Above specifications are subject to change without prior notice
due to continuous technical development.

7 Guidelines for Optimal Genset Ownership

- Insist on conducting a detailed load analysis
- Select the Genset rating based on the load study with provision for future expansion
- Adhere strictly to recommended site selection guidelines
- Ensure installation complies with Kirloskar's specified standards
- Confirm adequate cable sizing and proper electrical connections
- Familiarize yourself with operation and maintenance during commissioning
- Follow routine maintenance schedules through authorised Kirloskar service partners

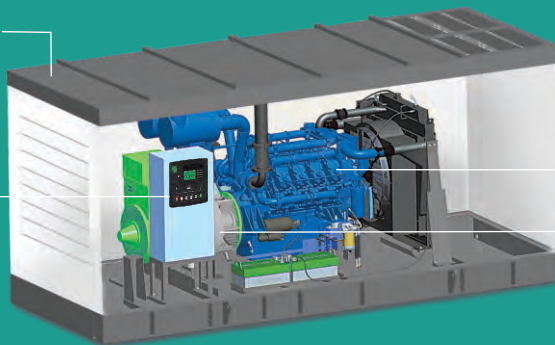


Canopy

- Ease of Access and Serviceability
- Aesthetically designed, weather and sound resistant enclosure
- Insulation conforms to UL94-HF1 class for flammability

Controller

- Microprocessor based
- Graphical LCD display
- Best in class monitoring and diagnostic capability
- Integrable with AMF, synchronization & communication configurations



Engine

- Low emission, high efficiency engines
- Compact, Robust and Rugged Design
- 500 hours lube-oil change period
- Set - mounted radiator system, designed & tested for 50°C ambient temperature

Alternator

- Best In Class Efficiency
- AREP Winding ensures superior voltage stability and quick response during sudden load changes or motor starting conditions.
- Vacuum Pressure Impregnation and epoxy gel coating on the winding
- Digital AVR ensures stable voltage output under varying loads



Reliable Performance – Engineered for Demanding Applications

Kirloskar Powergen gensets deliver reliable, continuous power in demanding conditions with a compact, durable, and efficient design built for high-performance, future-ready applications.

Key Specifications and Features

- Compact, high-efficiency V-type engines for high power output in a smaller footprint
- Low noise and optimized fuel consumption for enhanced operational efficiency
- Durable cast iron blocks with anti-bore polishing rings for extended engine life
- High-pressure fuel lines and electronic speed control for precise, responsive performance
- Gallery-cooled pistons and multi-stage filtration for better thermal management and longer service life
- High block loading capacity for consistent power delivery
- Flexible configurations to meet diverse industrial and commercial needs

These features make Kirloskar Powergen gensets an ideal choice for dependable, high-performance power in both current and future energy landscapes.



Remote Monitoring: Real-Time Intelligence, Anytime, Anywhere

Kirloskar Powergen gensets feature built-in IoT-enabled remote monitoring for real-time visibility, smart alerts, and faster service response-ensuring uninterrupted operations.

Key Specifications

- Instant access to critical genset performance metrics via mobile or desktop platforms
- Real-time tracking of power output, efficiency, and location for better operational control
- Automatic anomaly detection with proactive SMS alerts to notify operators instantly
- In case of faults, the system auto-dispatches alerts to the nearest service dealer for quick resolution
- Enables continuous monitoring, faster diagnostics, and minimal downtime



Smart Control & Diagnostics for Next-Gen Genset Performance

Kirloskar Powergen gensets feature intelligent, microprocessor-based controllers that ensure smooth operation, and support advanced digitalization.

Genset

- Real time monitoring of electrical and mechanical parameters along with battery status and run hours
- Auto/Manual modes, AMF functionality, and test features for flexible operation and system check
- Kirloskar Remote Monitoring (KRM) for remote diagnostics and comprehensive visibility
- Optional Modbus connectivity and advanced sync controllers for seamless integration and load sharing

Engine

- Real-time tracking of engine metrics: RPM and fuel level
- Diagnostic alerts for low fuel, overspeed and over-crank
- Protections against low lube oil pressure and high engine temperature
- Service alerts for timely maintenance & reduced downtime

Alternator

- Real-time monitoring of electrical and mechanical parameters: voltage, current, frequency, kW, kVA, kWh, kVAr, and power factor
- Overcurrent, Under voltage, Over voltage and reverse power protection for electrical safety
- Phase fault and earth fault detection - to enhance system reliability



Complete Lifecycle Support – Design to Long-Term Reliability

Kirloskar Powergen gensets are designed and validated in-house for precision, performance, and long-term value.

Key Specifications & Features

- In-house design, engineering, and validation ensure world-class quality and precision
- Optimized performance with reduced emissions and lower operating costs
- High power output with efficient resource utilization
- Preventive maintenance scheduled every 500 hours or annually, supported by a nationwide expert network
- Kirloskar DV16 & K4300 series provide sustainable, cost-effective, and reliable power solutions

Controller Features

- Comprehensive control unit for engine-generator system management applications
- Built in Logic of Auto Start and Auto Mains (Utility) Failure
- Wide operating range from -30 °C +70 °C (-22 °F +158 °F)
- Maintains a log of past alarms and / or selected status changes for 250+ events on FIFO basis
- RS485 and CAN ports for easy firmware updates and diagnostics
- Field-programmable I/O and logic for customized SCADA & BMS
- High-accuracy Class 1 metering
- Supports 12V/24V DC power supply with wide voltage tolerance (8-40 V DC)
- KG1500 controller supports sync feature for seamless load sharing and parallel operation with multiple gensets



SHAPING THE FUTURE.
DELIVERING POWER TO OVER 50+ COUNTRIES.

INGENIOUS DESIGN.
UNMATCHED PERFORMANCE.

KIRLOSKAR OIL ENGINES LIMITED

A Kirloskar Group Company

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T O M O R R O W



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Stamp of
Authorised
Representative