

k•rloskar
powergen



OPTIPRIME

ADVANCED MANUFACTURED GENSETS

125 kVA - 12000 kVA

Better power for a
limitless
Tomorrow

Cleaner . Reliable . Flexible



A RICH HERITAGE OF OVER A CENTURY OF ENGINEERING EXCELLENCE.

Kirloskar powering 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 Kirloskar with
QR Code Scan





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OPTIPRIME - The Versatile Power Solutions

Customized Power Solutions to maximizing customer benefits

OPTIPRIME Largest product portfolio

OPTIPRIME Controller: Brain Behind the Power System

OPTIPRIME Configuration tailor made for customer needs

Technical Specifications: 125 kVA to 12000 kVA

Projects Solutions: Complete Solution for every requirement

OPTIPRIME Trigeneration Series

Next Gen Power for Data Centres

OPTIPRIME Synergies with Energy Management systems

OPTIPRIME 1000 kVA - World's smallest footprint

Customized Scalable Solutions

Customer Testimonials

Reliable Service | 24 X 7 Support

Kirloskar Powergen Product Portfolio

OPTIPRIME

Advanced Manufactured Gensets

125 kVA - 12000 kVA



Multi-Core Power Systems

The OPTIPRIME Multi-Core (Dual-Core, Quad-Core, Octa-Core) power systems are custom-engineered solutions tailored to meet the specific needs of each customer's site. These turnkey solutions provide a compact design with exceptional noise reduction. Powered by patented OPTIPRIME technology, they deliver remarkable improvements in total cost of ownership and industry-leading fuel efficiency. The multicore solution offers breakthrough redundancy, further enhancing reliability and ensuring continuous power. Supported by Kirloskar's warranty, customers benefit from reduced operational costs, greater savings, and a minimized footprint. Its versatile design allows for single-unit deployment or combined prime and standby functionality within a single enclosure, providing optimal performance and adaptability for varying power needs.

The Versatile Power Solution



Infrastructure



Industry



IT/TES



Hospitality



Health



Realty



Government
& Defense



Logistics

OPTIPRIME

Advanced Manufactured Gensets

BENEFITS

Kirloskar's **OPTIPRIME** delivers a customized and efficient power solution for applications with fluctuating loads. By intelligently managing multi-core operations through a centralized control panel and integrated Power Management System, OPTIPRIME dynamically adjusts to real-time load demands, significantly reducing fuel consumption.



Patented
Hybrid
Technology



Multi-core operations
with In-built
Synchronisation



Reduced Carbon
Dioxide Emissions
by 40%



Optimised Fuel
Consumption



Reduced
Ownership Cost



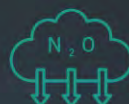
Optimum
Power



Optimal
Efficiency



Better
Flexibility



Reduced Nitrous
Oxide Emissions
by 50%



Lower Product
Footprint -20%
Reduction in Space

OPTIPRIME FEATURES

Prime Rating

Unlimited hours

Unmatched Footprint

Better Genset performance and optimal footprint

Emission Compliant

Performance, clean power and reduced costs

Control Your Power, Anytime, Anywhere

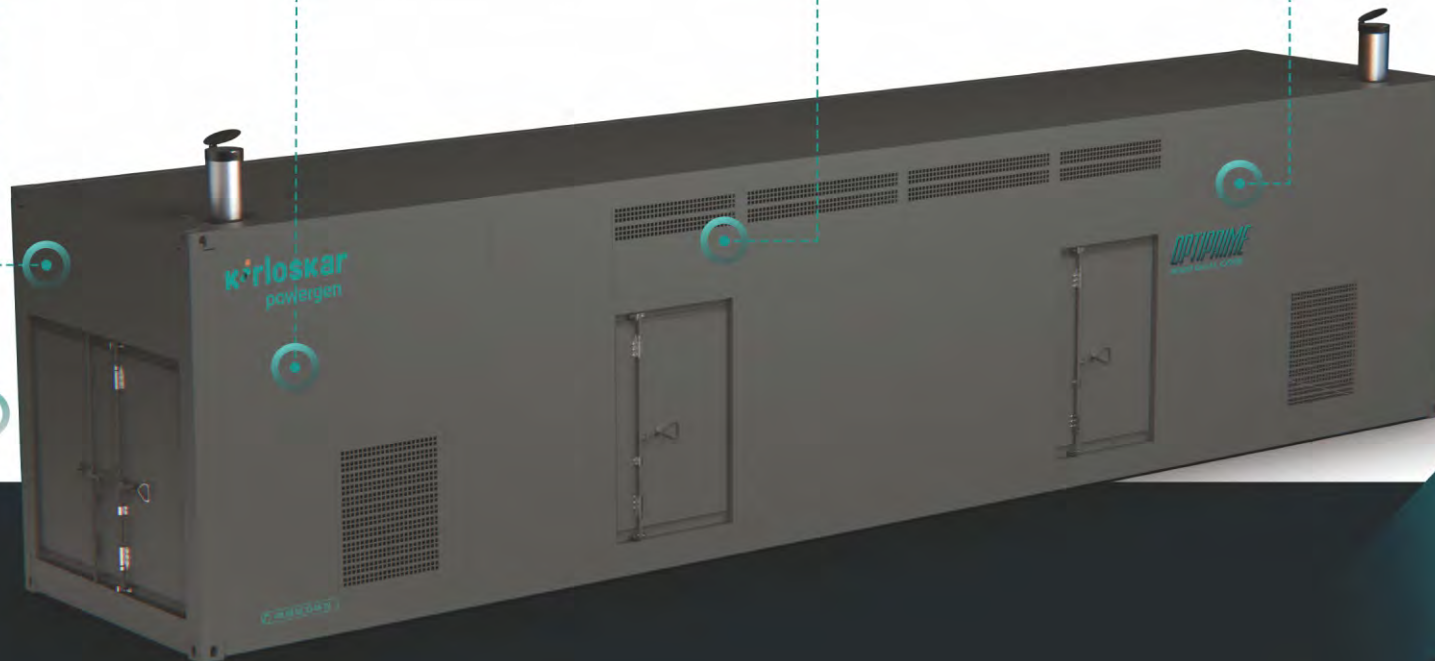
Monitor your Kirloskar genset remotely, receive alerts, and access service with a tap with our Remote Monitoring System

O2E Series

Optimal Operating Efficiency even at partial loads, further reducing costs.

Common Rail Direct Injection (CRDi)

Advanced fuel injection for better performance, lower emissions, and smoother operation.





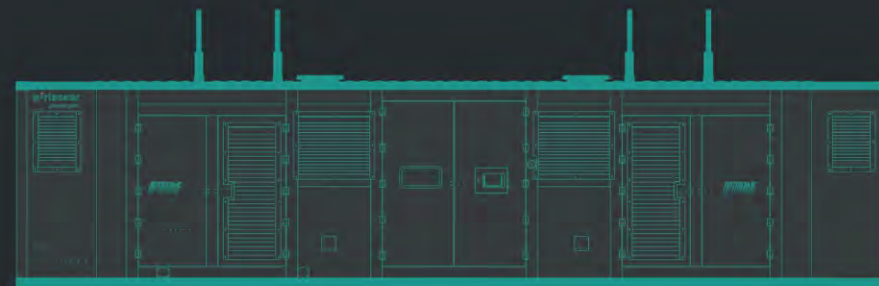
kVA	Configuration Options*	Fuel	Emission Norms	Engine Configurations
125 kVA	3	Diesel	CPCBIV+	Dual Core 4R810
250 kVA	3	Diesel	CPCBIV+	Dual Core 4K1080
320 kVA	4	Diesel	CPCBIV+	Dual Core 6K1080
400 kVA	3	Diesel	CPCBIV+	Dual Core 6K1080
500 kVA	2	Diesel	CPCBIV+	Dual Core 6K1080
500 kVA HD	2	Diesel	CPCBIV+	Dual Core SL90
500 kVA HD	2	Diesel	CPCBIV+	Quad Core 4K1080
640 kVA	3	Diesel	CPCBIV+	Dual Core SL90
700 kVA	2	Diesel	CPCBIV+	Dual Core SL90
1000/1010 kVA	1	Diesel	CPCBIV+/Stack	Dual Core PV6
1000/1010 kVA	2	Diesel	CPCBIV+/Stack	Quad Core 6K
1000/1010 kVA	3	PNG	CPCBIV+/Stack	Dual Core DV12
1000/1010 kVA	3	PNG	CPCBIV+/Stack	Quad Core DV8
2000 kVA	3	PNG	CPCBIV+/Stack	Quad Core DV12
1250 kVA	3	Diesel	CPCBIV+/Stack	Dual Core DV10
1250 kVA	2	Diesel	CPCBIV+/Stack	Quad Core SL90

Powergen HHP & Integrated Project Solutions

2 MW / 2500 kVA	Diesel	Stack	Industrial Power Systems
4 MW / 5000 kVA	Diesel	Stack	Industrial Power Systems
6 MW / 7500 kVA	Diesel	Stack	Industrial Power Systems
8 MW / 10000 kVA	Diesel	Stack	Industrial Power Systems
10 MW / 12500 kVA	Diesel	Stack	Industrial Power Systems

*Configuration options available: Series/ Parallel/ Stacking etc.

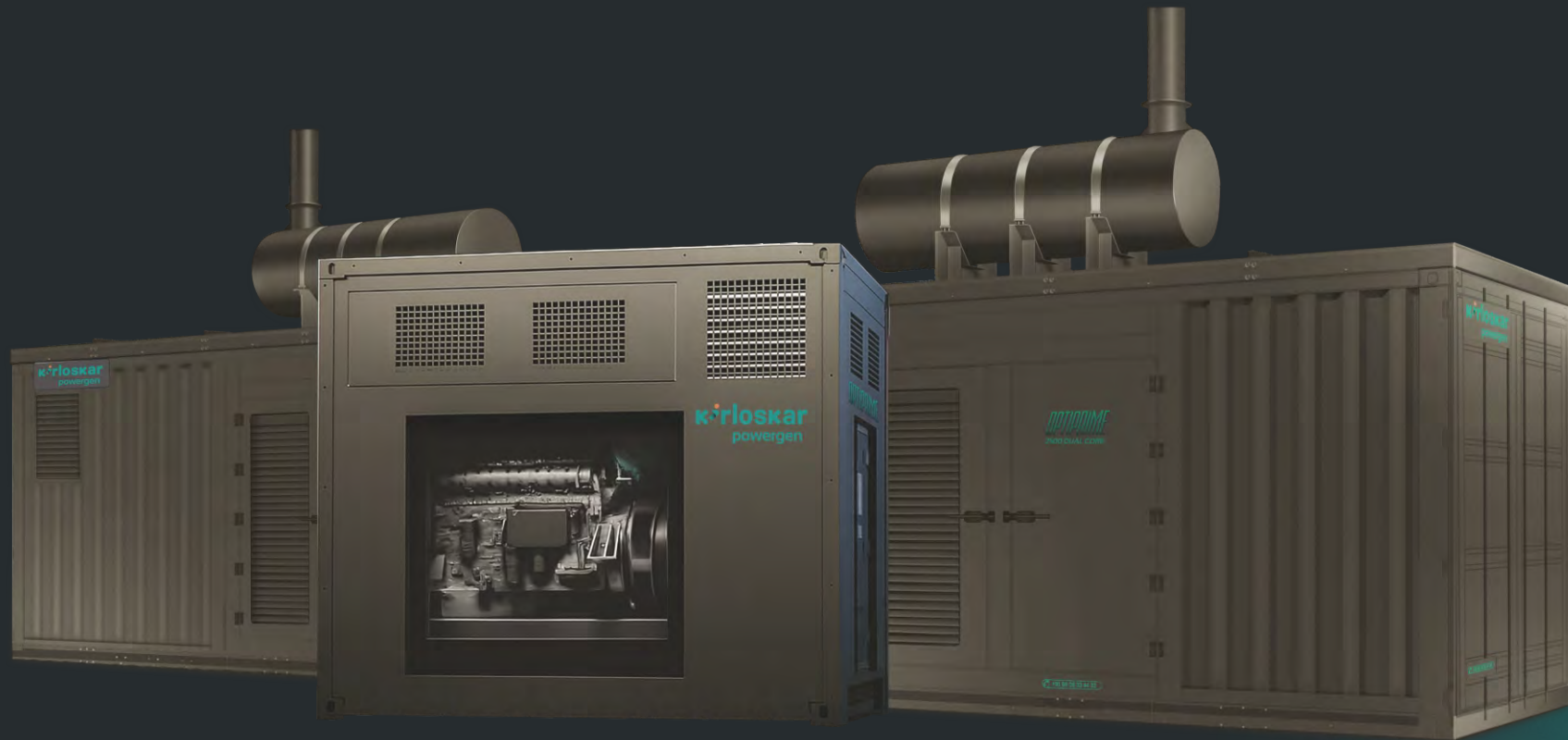
kVA	Configuration Options*	Fuel	Emission Norms	Engine Configurations
1400 kVA	2	Diesel	CPCBIV+/Stack	Quad Core SL90
1500 kVA	4	Diesel	CPCBIV+/Stack	Dual Core DV12
2000 kVA	4	Diesel	CPCBIV+/Stack	Dual Core DV16
2000 kVA	1	Diesel	CPCBIV+/Stack	Quad Core D15L6
2250 kVA	3	Diesel	Stack	Dual Core DV16
2500 kVA	4	Diesel	Stack	Dual Core DV16
2500 kVA	4	Diesel	Stack	Dual Core K12
2500 kVA	4	Diesel	CPCBIV+/Stack	Quad Core DV10
3000/3300 kVA	4	Diesel	Stack	Dual Core K12
3000 kVA	4	Diesel	CPCBIV+/Stack	Quad Core DV12
4000 kVA	3	Diesel	CPCBIV+/Stack	Octacore D15L6
4000 kVA	4	Diesel	Stack	Quad Core DV16
5000 kVA	4	Diesel	Stack	Quad Core DV16
5000 kVA	4	Diesel	Stack	Quad Core K12
6000/6600 kVA	3	Diesel	Stack	Quad Core K12
8000 kVA	3	Diesel	Stack	Quad Core K12 (2026)
10000 kVA	3	Diesel	Stack	Quad Core K16 (2027)
12000 kVA	1	Diesel	Stack	Octacore K12 (2026)



OUR PRODUCT RANGE

korloskar
powergen

ADVANCED MANUFACTURED GENSETS



125 kVA to 12000 kVA

We'll secure your energy needs, helping achieve your decarbonization goals

OPTIPRIME 125 kVA - 2000 kVA

Sync Controller Model ^{ss}	-	KG1500	DSE8610 MKII	KG1500
Incoming Breaker	-	Yes- Standard Scope		
Outgoing breaker	-	Additional Scope		

TECHNICAL SPECIFICATIONS

OPTIPRIME 1250 kVA - 4000 kVA

GENSET

SINGLE CORE ENGINE

SINGLE CORE ALTERNATOR

SYNCHRONIZATION PANEL

GENSET

Prime Rating at rated rpm (as per ISO 8528)	kVA	2500 [#]	2500	2500	3000	3000	3300 [#]	4000
	kW	2000	2000	2000	2400	2400	2640	3200
Genset Model	-	Optiprime 2500	Optiprime 2500	Optiprime 2500	Optiprime 3000	Optiprime 3000	Optiprime 3300	Optiprime 4000
Configuration	-	Dual Core DV16	Dual Core K12	Quad Core DV10	Quad Core DV12	Dual Core K12	Dual Core K12	Quad Core DV16
Fuel	-	Diesel						
Arrangement	-	Stacking	Stacking	Parallel	Parallel	Parallel	Parallel	Parallel + Stacking
Hot gas discharge	-	Side	TOP	Side	Top	Side	Side	Side
Options available	-	4	4	12	1	4	1	3
Frequency	Hz	50	50	50	50	50	50	50
Power Factor	Lagging	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Voltage	V	415						
-V)	-	G3						
Noise level at 1Mtr	dBa	25 dBA Insertion loss						
Fuel Consumption* At 100% Load	Ltrs/hr	494	504	522	616	636	616	988
Fuel Consumption* At 75% Load	Ltrs/hr	374	384	394.4	505.6	468	505.6	748
Fuel tank capacity	Ltrs	External fuel tank						
Dry Weight of genset with canopy (approx..)	Kgs	26400	36500	16300	35040	37500	37500	52800
Overall dimensions of Canopy in mm\$	Length	6100	6100	4130	7606	6100	4303	6100
	Width	2438	2438	3170	6340	4896	4244	4876
	Height w/o silencer	5792	5792	2154	2575	2896	2819	5792
Electrical Battery Starting Voltage (Single core)	V	24						

SINGLE CORE ENGINE

Engine Model	-	DV16ETA G4	12K4300-E1	DV10ETA 4G2	DV12ETA 4G2	12K4300-E2	12K4300-E2	DV16ETA G3
Rated output (Prime Power rating as per ISO 3046)	kW	1089	1113	561.1	662	1313	1313	902.6
	HP	1460	1492	763	900.6	1760	1760	1210
No. of cylinder	Nos	16	12	10	12	12	12	16
Cubic capacity	Ltrs	31.84	51.72	19.9	23.88	51.72	51.72	31.84
Bore x Stroke	mm	500	500	130 x 150	130 x 150	500	500	500
Rated Speed	RPM	1500						
Aspiration	-	TA						180
Lube Oil change period	-	500 Hrs / 1 Year						
Lube oil Sump Capacity (Max)	Ltrs	150	285	50	73	285	285	150
Coolant Capacity of System	Ltrs	180	355	81.7	173.9	355	355	180

SINGLE CORE ALTERNATOR

Insulation Class	-	Class H						
Max Voltage Dip at Full Load 0.8 pf Lag	sec	<20%						
max time to built up rated voltage at rated rpm	sec	<2 sec provided engine reach the rated speed						

SYNCHRONIZATION PANEL

Sync Controller Model ^{\$\$}	-	KG1500						
Incoming Breaker	-	Yes - Standard Scope						
Outgoing breaker	-	Additional Scope						

Notes:

Prime Rating at rated RPM (as per ISO 8528) | *5% tolerance applicable as per ISO 8528 on fuel consumption : Diesel conforming to IS 1460 and Specific gravity of diesel = 0.845 : The effect of the fuel quality should also take into account on performance. i.e. Methane %: Min 88% & Calorific Value of Fuel: Min 8500 Kcal/m³ | # Overload power for PRP applications is restricted, Availability of Overload Power for PRP application will be dependent on operating profile. Consult factory for details.

TECHNICAL SPECIFICATIONS

OPTIPRIME 5000 kVA - 12000 kVA

GENSET

Prime Rating at rated rpm (as per ISO 8528)	kVA	5000	5000	6000	6600#	8000	8000	10000	12000
	kW	4000	4000	4800	5280	6400	6400	8000	9600
Genset Model	-	Optiprime 5000	Optiprime 5000	Optiprime 6000	Optiprime 6600	Optiprime 8000	Optiprime 8000	Optiprime 8000	Optiprime 8000
Configuration	-	Quad Core DV16	Quad Core K12	Quad Core K12	Quad Core K12	Octacore DV16	Quad Core K12 (2026)	Octacore DV16	Octacore K12
Fuel	-	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Arrangement	-	Parallel + Stacking							
Hot gas discharge	-	Side							
Options available	-	2	3	3	3	4	4	3	1
Frequency	Hz	50							
Power Factor	Lagging	0.8							
Voltage	V	415							
Governing class (As per ISO 8528 Part-V)	-	G3							
Noise level at 1Mtr	dBA	25 dBA Insertion loss							
Fuel Consumption* At 100% Load	Ltrs/hr	988	1008	1272	1272	1592	-	1976	1976
Fuel Consumption* At 75% Load	Ltrs/hr	748	768	936	936	1240	-	1496	1496
Fuel tank capacity	Ltrs	External fuel tank							
Dry Weight of genset with canopy (approx..)	Kgs	52800	73000	75000	75000	105600	75000	105600	150000
Overall dimensions of Canopy in mm\$	Length	6100	6100	6100	6100	11410	7606	11410	7606
	Width	4876	4876	4876	4876	4560	2560	4560	4244
	Height w/o silencer	5792	5792	5792	5792	5040	6211	5040	6211
Electrical Battery Starting Voltage (Single core)	V	24							

SINGLE CORE ENGINE

Engine Model	-	DV16ETA G4	12K4300-E1	12K4300-E2	12K4300-E2	DV16ETA G3	12K4300-E3 (2026)	DV16ETA G4	12K4300-E2
Rated output (Prime Power rating as per ISO 3046)	kW	1089	1113	1313	1313	902.6	1730	1089	1313
	HP	1460	1492	1760	1760	1210	2320	1460	1760
No. of cylinder	Nos	16	12	12	12	16	12	16	12
Cubic capacity	Ltrs	31.84	51.72	51.72	51.72	31.84	51.72	31.84	51.72
Bore x Stroke	mm	500	500	500	500	500	500	500	500
Rated Speed	RPM	1500							
Aspiration	-	TA							
Lube Oil change period	-	500 Hrs / 1 Year							
Lube oil Sump Capacity (Max)	Ltrs	150	285	285	285	150	285	150	285
Coolant Capacity of System	Ltrs	180	355	355	355	180	355	180	355

SINGLE CORE ALTERNATOR

Insulation Class	-	Class H							
Max Voltage Dip at Full Load 0.8 pf Lag	sec	<20%							
max time to built up rated voltage at rated rpm	sec	<2 sec provided engine reach the rated speed							

SYNCHRONIZATION PANEL

Sync Controller Model \$\$	-	KG1500							
Incoming Breaker	-	Yes - Standard Scope							
Outgoing breaker	-	Additional Scope							

Notes:

^ These weight are for handling & transportation only, ±5% tolerance apply | \$ Above specifications/dimentions are subject to change without prior notice due to continuous technical development. It may vary depending on customer requirement and customizations required. Efficiency of Alternator as per standards IEC:60034-1 | \$\$ For operation of outgoing breaker higher version of Synchronization controller is required | For Site Conditions other than standard operating conditions consult Kirloskar Oil Engines Ltd.

BEYOND EFFICIENCY

A Closer Look at Cutting-Edge Technology

Top Mounted Radiator



Low Emission



500 Hours Lube Oil
Change Period



Efficient CRDi System



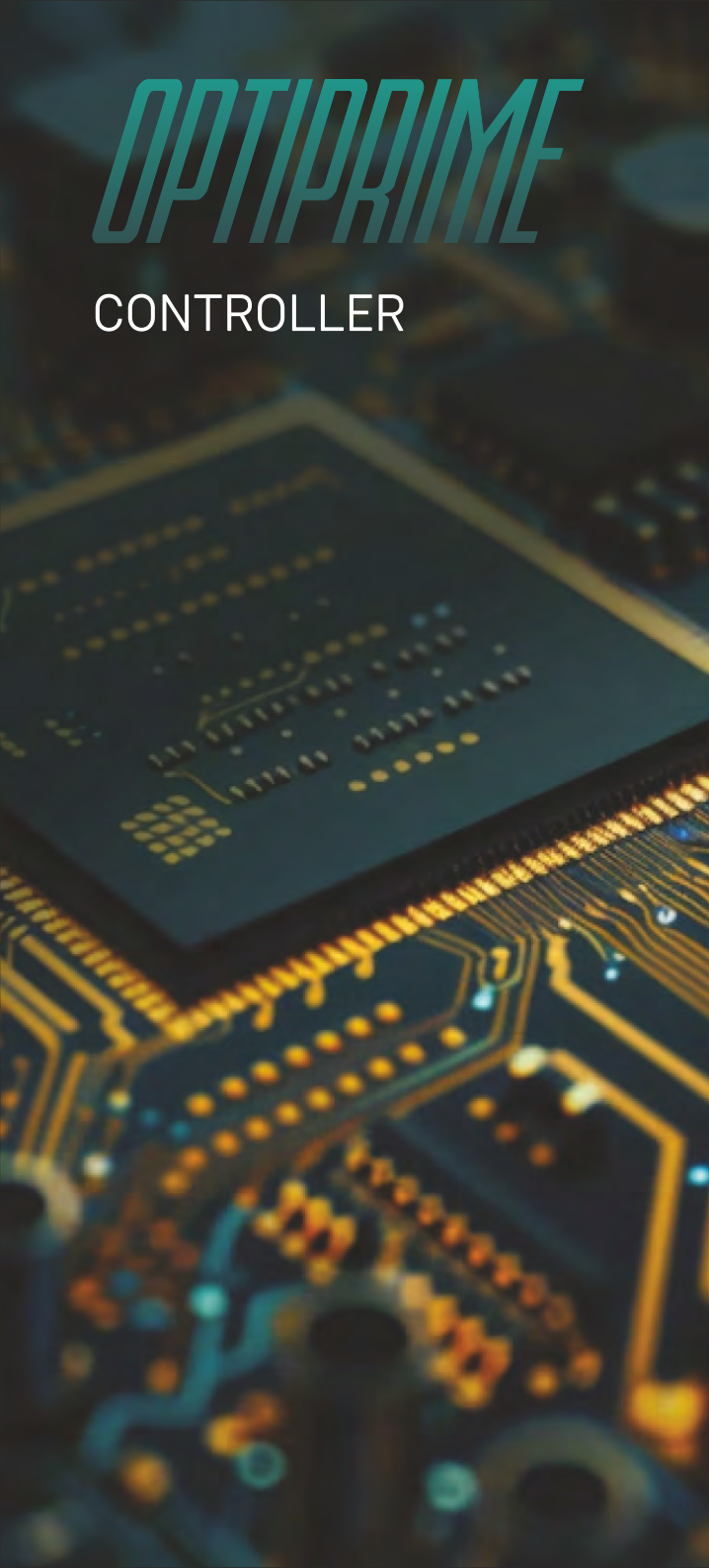
Compact, Robust
and Efficient



Microprocessor Based Controller

Graphical LCD Display

Advanced Monitoring and Diagnostics



OPTIPRIME

CONTROLLER

THE BRAIN BEHIND OUR POWER SYSTEMS

Multi-Core operation for superior performance and maximizing efficiency

HMI and SCADA Integration

Provides a user - friendly interface for local and remote monitoring and control, as well as seamless integration with BMS and DMS systems

CAN-based

Communication Utilizes a robust CAN bus network for seamless communication between the controller and generator components

Fast Synchronization

Enables rapid synchronization of incoming gensets to the bus, minimizing downtime and disturbances

Adaptive Control

Utilizes AI-based optimization and predictive control to adapt to varying load conditions and optimize efficiency

Fault Tolerance

Incorporates redundancy measures and fail-safe mechanisms to ensure high availability and prevent single points of failure

Efficient Load Sharing

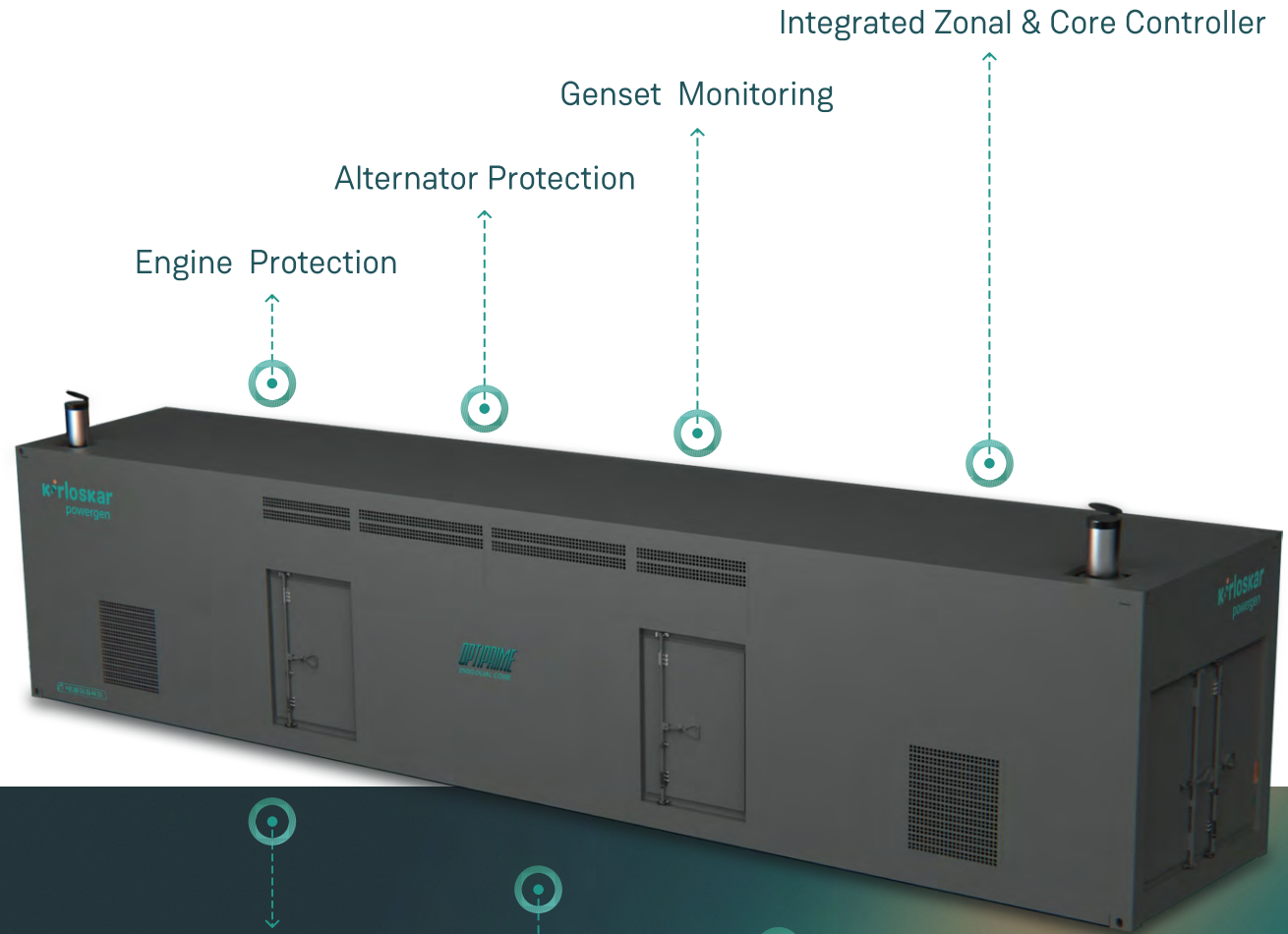
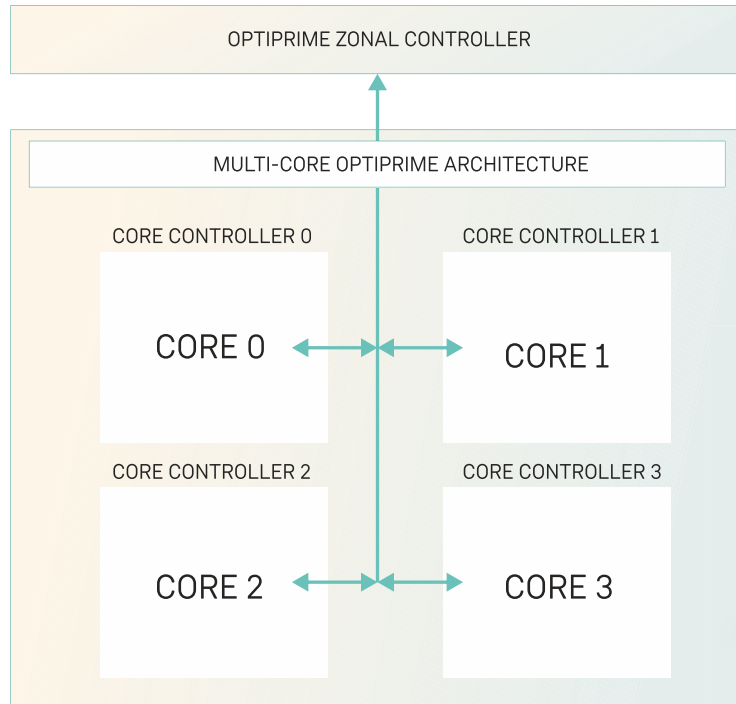
Employs advanced algorithms for precise load sharing between gensets, ensuring optimal fuel consumption and performance

Zonal Centralized Control

Engineered design for domain centralized control to ensure seamless transition between zonal and Core control system ensuring inherent redundancy

MULTI-CORE OPERATIONS

TAILOR MADE SOLUTION DRIVEN BY KIRLOSKAR POWERGEN



- Highly reliable OPTIPRIME Controller handles multi core operations driven by individual core controllers.
- Controller handles multiple control loops (Speed, Voltage, Phase Sync) driving superior performance.

Breaker Monitoring

In-Built Load Sharing Module

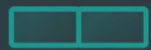
Run-Up Synchronization

In-Built Neutral Interlocking Logic

MULTI-CORE : INNOVATION

COMBINED WITH OPTIMAL EFFICIENCY

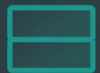
Multiple configuration options available
based on customer and site requirements



Series



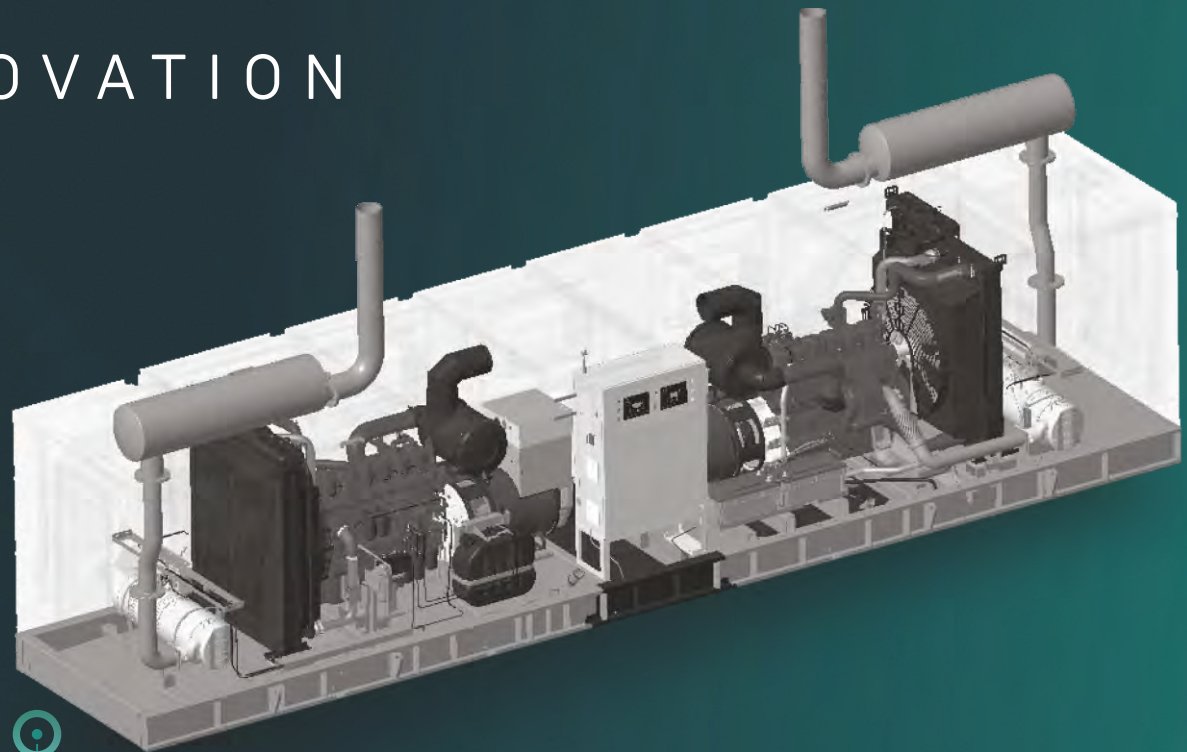
Parallel



Stack

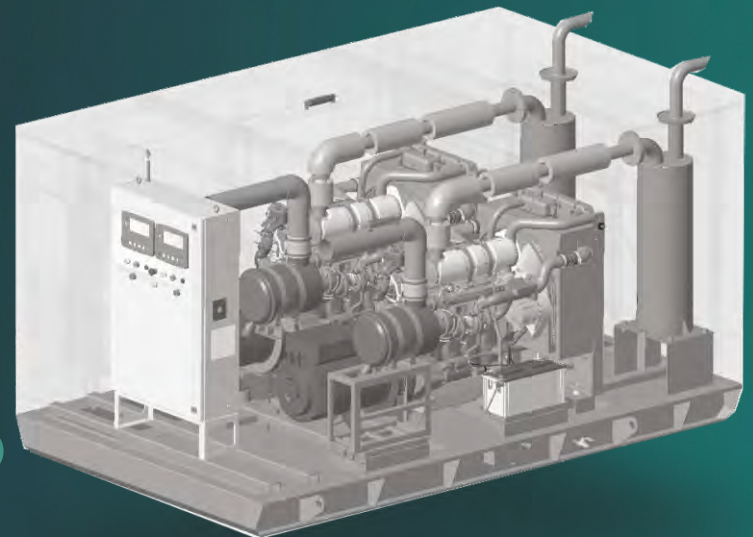


L - Shape



SERIES

PARALLEL



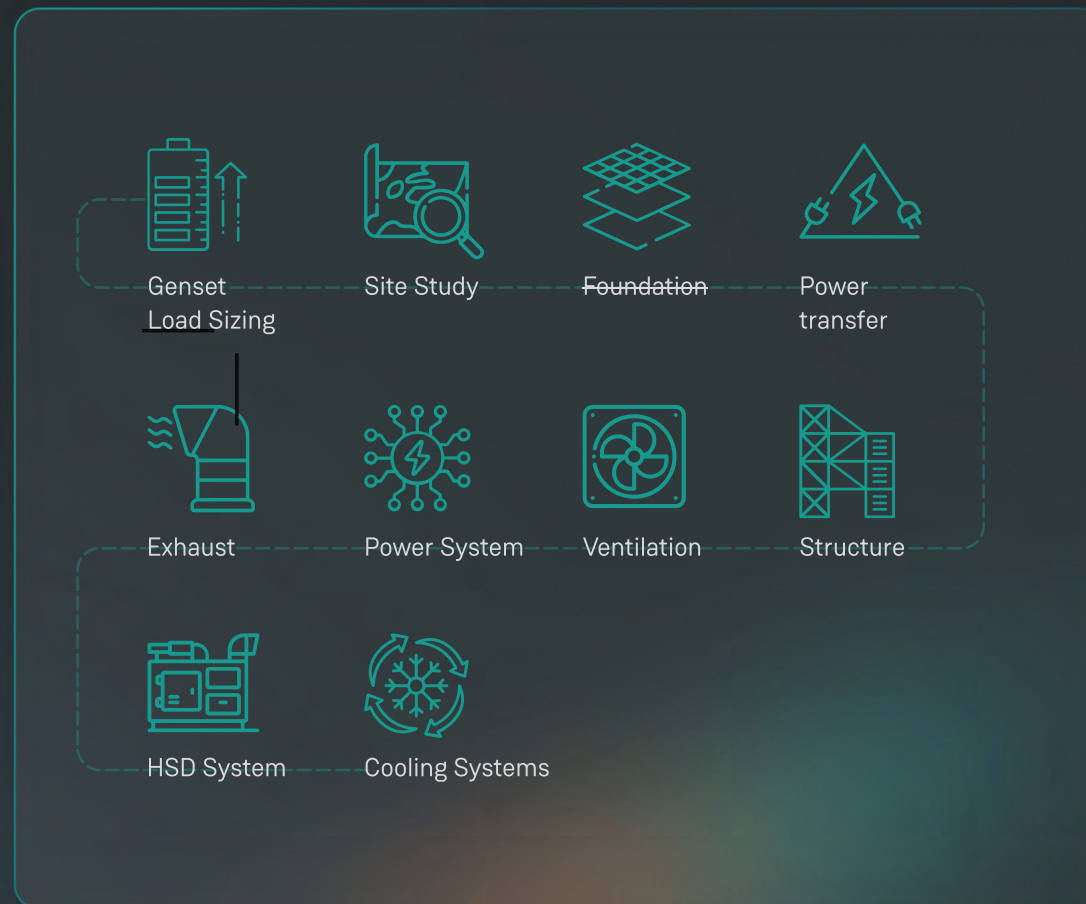


PROJECT SOLUTION

1000 kVA - 12000 kVA

Kirloskar Powergen's Project Solutions offers comprehensive suite of services, encompassing end-to-end engineering solutions tailored to meet diverse client requirements.

This includes product customization, site-specific adaptations, intricate design and modification capabilities, seamless system integration and robust MEP solutions. Driven by a commitment to delivering turnkey solutions, Kirloskar Powergen empowers customers to personalize their products, ensuring alignment with their unique operational needs and project specifications.

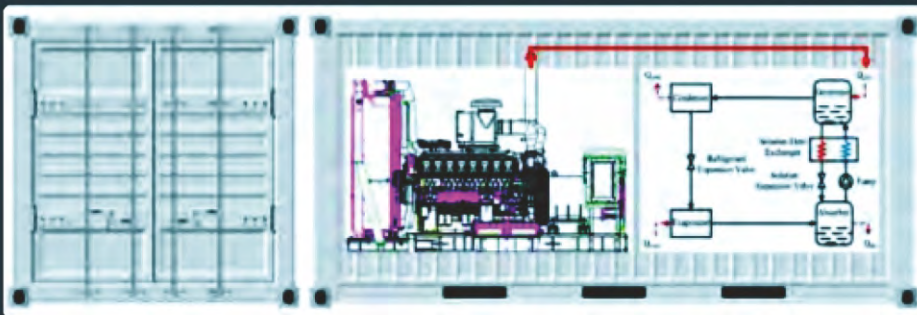


OPTIPRIME Trigeneration Series

Kirloskar's OPTIPRIME Trigeneration Series delivers a revolutionary solution for businesses with critical HVAC loads, offering uninterrupted power and cooling while significantly reducing diesel consumption. By integrating a trigeneration cycle within the genset, OPTIPRIME allows for downsizing your DG, providing rapid startup times and seamless Automatic Load Transfer / Auto Mains Failure (AMF) to ensure instant power and cooling during outages.

The innovative waste heat recovery system powers grid-independent absorption cooling, extending UPS runtime and optimizing chiller performance, all while maintaining stable and efficient HVAC support for sensitive systems like server rooms.

This prime-rated, standby-ready solution activates in seconds, providing both power and cooling, eliminating thermal build up and maximizing operational uptime, making it the ideal choice for businesses demanding reliability and efficiency.



SUSTAINABILITY

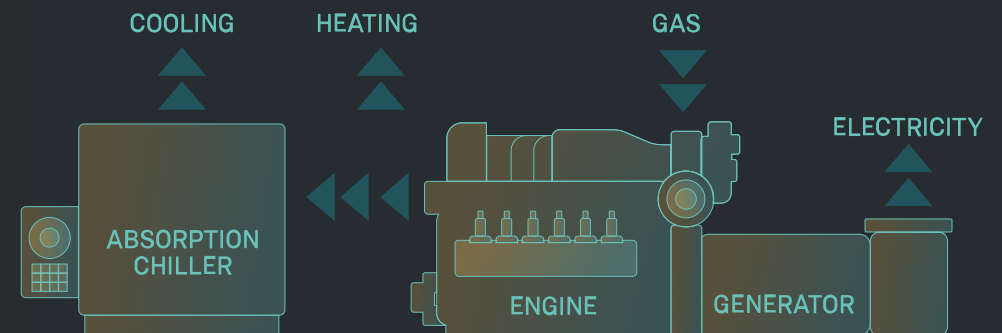


ECONOMIC ADVANTAGES

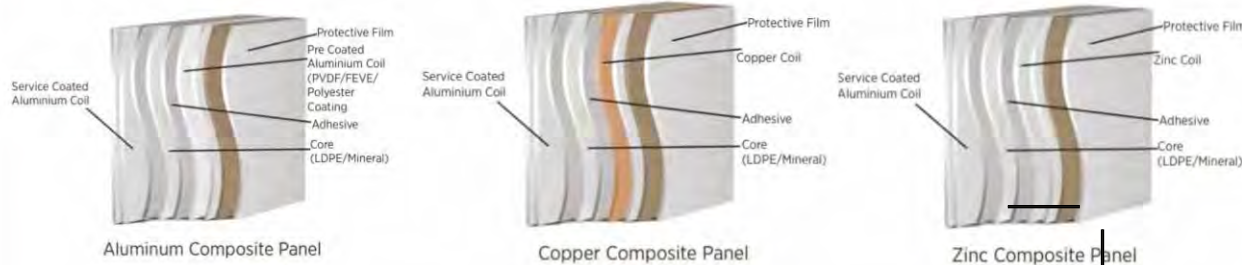
- 30-40% reduction in fuel costs
- Up to 50% savings on electricity costs for cooling

ENVIRONMENTAL BENEFITS

- 30-50% reduction in CO2 emissions
- Supports ESG & Green Building compliance
- A step towards Net Zero energy goals
- Payback within 1.5 to 4 years



THE MOST ADVANCED MATERIALS FOR ACOUSTICS & HAZARD MANAGEMENT



UNMATCHED NOISE ATTENUATION

Our composite material offers clear advantages over traditional metal sheets by reducing noise through the combination of materials with different densities and textures.

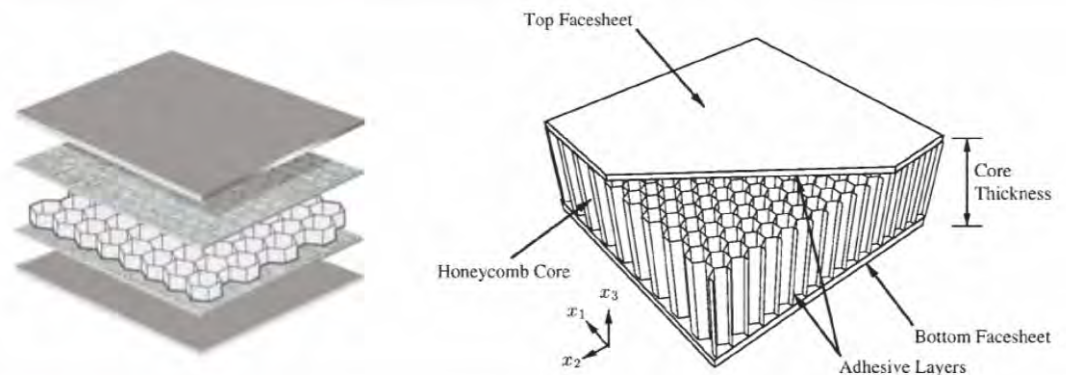
Our panels absorb and dissipate sound energy across a wide frequency range, effectively trapping sound waves and preventing them from travelling further.

This noise reduction is achieved through layered materials within the panels that act as both sound barriers and absorbers.

HONEYCOMB PANEL FOR UNMATCHED FIRE SAFETY

The unmatched strength of honeycomb panels, particularly aluminium honeycomb panels is a defining characteristic that sets them apart as a superior choice for a wide array of installations and applications. Their unique hexagonal core significantly delays fire spread, maximizing evacuation time, and they are inherently non-combustible. This combination of strength and fire resistance, coupled with their lightweight nature, is crucial in aerospace, metro coaches, and theaters.

We utilize this technology to provide our customers with custom fire-proof power solutions, ensuring their safety and minimizing risk.



NEXT-GEN POWER FOR DATA CENTRES

Data centres are the backbone of the digital world, demanding uninterrupted power, high efficiency, and seamless integration. Our Optiprime Series—an advanced multicore power generation system designed for superior performance, unmatched efficiency, and seamless integration with data centre infrastructure.

Scalability & Load Flexibility

Engines turn on/off based on demand, ensuring efficiency.

Lower Cost & Compact Footprint

Factory-fitted synchronization, lowest cost of ownership.

Fuel Efficient & Redundant

Optimized load sharing, fail-safe design.

Industry-Leading Compact Design

Maximized power density, smallest footprint.

Global Emission Compliance

Meets CPCB IV+, EURO V, and Tier IV Final standards.

Alternate Fuels Ready

Available in Natural Gas, Hydrogen, and other alternatives.

POWERING YOUR DATA CENTRE NEEDS

OPTIPRIME MODEL	KEY FEATURE
640 kVA Dual Core	Ideal for data centres with footprint constraints
1000 kVA Dual Core	A marvel of engineering for high reliability
2500 kVA Dual Core	Designed from the ground up for large-scale data centres
6600 kVA Quad Core	The ultimate solution for high-density power demands



FUTURE PROOFING YOUR DATA CENTRES

Waste Heat Recovery & Trigenation –
Convert waste heat into power & cooling.

AI-driven Remote Monitoring &
Predictive Maintenance.

Seamless Integration with
BMS, UPS & switchgear.

Up to 50% reduction in CO₂ & NO_x
emissions.

Supports ESG compliance &
Net Zero targets.

Maximized efficiency up to
85% with Trigenation.

PERFECT FOR LARGE-SCALE DATA CENTERS

DATA CENTRE LOAD	OPTIPRIME MODEL	COOLING CAPACITY (TR)
Data Centre Load	Optiprime 2500	600-600 TR
1-5 MW	Optiprime 5000	800-1000 TR
5-10 MW	Optiprime 6600	1000-2000 TR

6600 KVA - INDUSTRY FIRST QUAD CORE SYSTEM

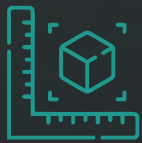
BEST-IN-CLASS NOISE ATTENUATION & FIRE SAFETY

GLOBAL EMISSION COMPLIANCE - CPCB IV+, EURO V, TIER IV FINAL

OPTIPRIME

WORLD'S SMALLEST
1000 kVA GENSET

LOWEST FOOTPRINT



Length : 3400 mm
Width : 2400 mm
Height : 2900 mm

BENEFITS

- World's most compact footprint
- Easy to handle
- Modular Scalability for Future Growth
- Robust Redundancy for Uninterrupted Performance
- Engineered for Better sound attenuation
- Seamless Integration with Building Management Systems
- Advanced Remote Monitoring
- Visually Compelling Enclosure



ENERGY MANAGEMENT SYSTEM

OPTIPRIME offers state of the art control system which is compatible with large Projects, Building Management Systems, SCADA and can be integrated seamlessly with Battery Storage Systems

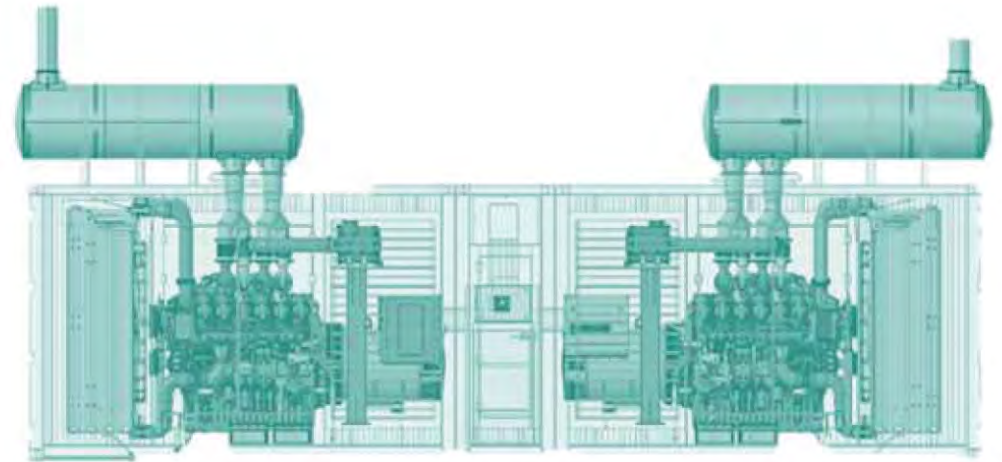


Advanced OPTIPRIME Control System -> Integrates with your DCMS/BMS/EMS



Integrated Battery Energy Storage System -> Custom built to your requirement

Multi-Core patented hybrid technology



OPTIPRIME: The Complete turnkey solution

- Customized engineered solution
- Complete aftermarket service support with multiple service solution contract options available
- Installation & Commissioning
- Exhaust stack & Sync panel



Reduction in Total Cost of Ownership

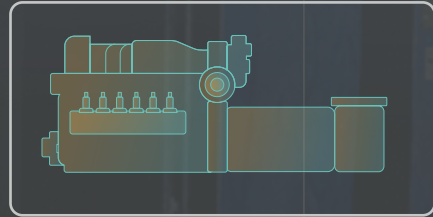
- Backed by Kirloskar warranty
- Improved efficiency at partial loads
- Better fuel consumption
- Leverage indigenized parts



Increased Flexibility through Hybrid ESS + ICE

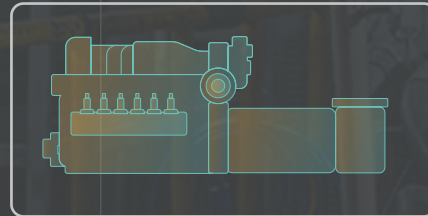
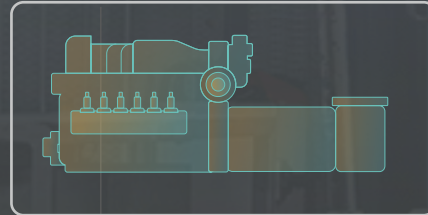
- Power redundancy: N+1, 2N & 2N+1
- Compact footprint
- Enhance Reliability
- Ease of handling and transportation
- Fast Paralleling

Customized Scalable Solutions



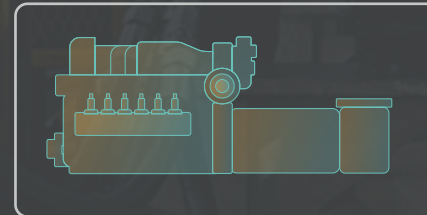
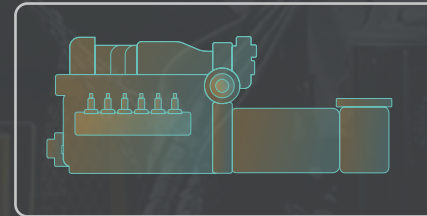
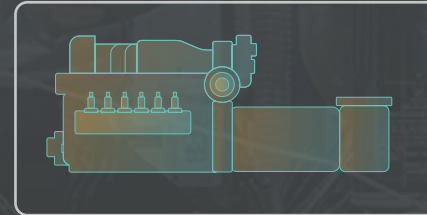
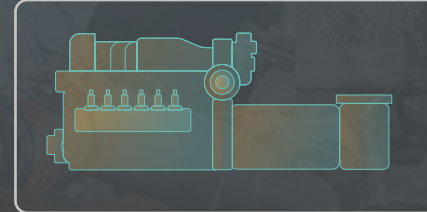
250 kVA

(SINGLE CORE-6K ENGINE)



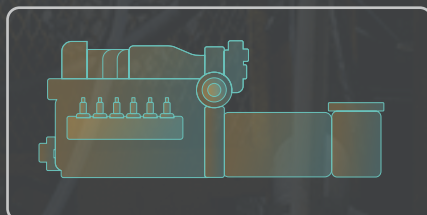
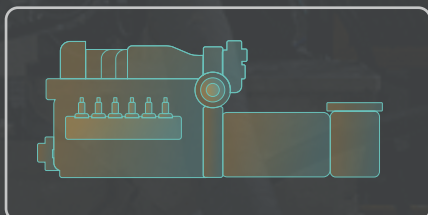
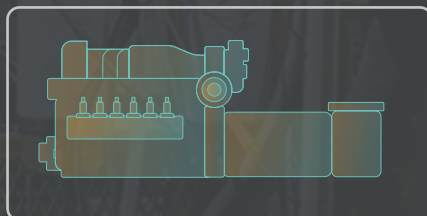
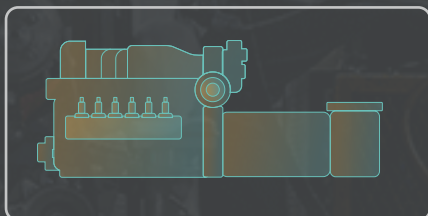
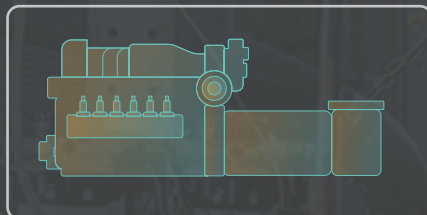
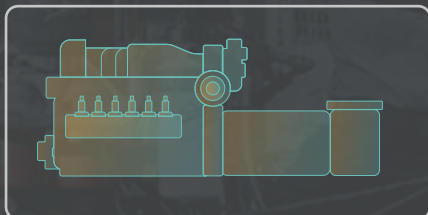
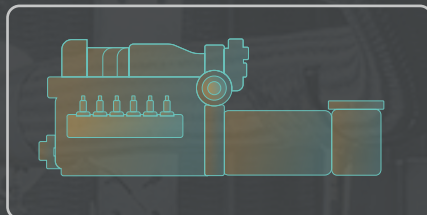
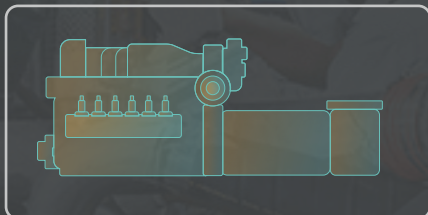
500 kVA

(DUAL CORE-6K ENGINE)



1000 kVA

(QUAD CORE-6K ENGINE)



Manufacture your
genset with our
Multi-core Technology
and Electronics

2000 kVA

(OCTA CORE-6K ENGINE)

CUSTOMER TESTIMONIALS

REAL ESTATE

Kirloskar Powergen's 1000 kVA OPTIPRIME system delivered exceptional reliability and fuel efficiency. Their seamless process, from expert guidance to robust after sales support, was impressive. OPTIPRIME technology has significantly improved our operations and cost savings. We highly recommend Kirloskar Powergen.

HOTEL BUSINESS

We needed a dependable 400 kVA backup, and Kirloskar Powergen was able to cater our needs. Honestly it just works. Fuel efficiency is good, and their team walked us through all the technicalities and provided sales & service support. When you have a power need, you want someone who gets it done right. Kirloskar Powergen did.

HEALTH CARE

In a hospital setting, power reliability isn't a luxury, it's a necessity. We chose Kirloskar Powergen's 500 kVA OPTIPRIME system because we needed a brand we could trust and rely on for dependable backup power. When the power goes out, it kicks in instantly. That's what matters in healthcare.

EFFICIENCY. INTEGRATED

A KIRLOSKAR PROMISE



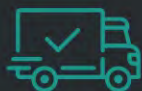
PRODUCTS

- India's first IoT enabled digital genset
- Designed for convenient user experience
- Best-in-class fuel efficiency delivered
- Compact design & long life product
- Optimized consumption of lubricant oil
- Optimized total cost of ownership (TCO)
- All products tested before delivery



SERVICE

- India's widest service dealer network
- Kirloskar connect-self-service application
- eFSR-Electronic field service report
- Over 6000 trained service engineers
- Over 600,000 machines under care
- 98%+ parts available at each outlet
- Flexible & economical AMC-Bandhan



DELIVERIES

- Cost-effective deliveries guaranteed
- Assured 7-day delivery of gensets
- Supports project management system
- Reduced working capital for customer
- Award-winning replenishment model
- Assurance of FRESH products always

EFFICIENT



SOLUTIONS

- Load sizing for every single genset order
- One stop power back-up solutions
- Serves complete application gamut
- Highly trained & experienced team
- Non-conventional solutions (bio-diesel)
- Specific solution for harsh environments
- Exhaust mgmt., foundation, cabling etc.



NETWORK

- Consistent, reliable & long-established
- 250+ expert touch points across India
- 500+ solution oriented professionals
- Uniform customer experience across
- Central system for enquiry to PRF
- Fair trade practices & Price transparency



24x7

- 24x7 operational customer care center
- Team of over 70 trained & focused exec.
- Tracking every service request till closure
- Centrally maintained CRM for all requests
- Satisfaction call after every SR closure
- Central sales lead tracking system
- Continuous NPS and CDI measurement

KIRLOSKAR POWERGEN PRODUCT PORTFOLIO

2.8 kW - 12000 kVA

Kirloskar Powergen Advanced Manufactured Gensets											
kVA	Fuel	Emission Norms	kVA	Fuel	Emission Norms	Model No.	kVA	Fuel	Emission Norms	Model No.	
MOBILE & STATIONARY			HHP, OPTIPRIME & CUSTOM SOLUTIONS				UHHP, OPTIPRIME & CUSTOM SOLUTIONS				
2.8 kW	Petrol	CPCBIV+	125 kVA	Diesel	CPCBIV+	Dual Core 4R810	2500 kVA	Diesel	Stack	Dual Core DV16	
4 kW	Petrol	CPCBIV+	250 kVA	Diesel	CPCBIV+	Dual Core 4K1080	2500 kVA	Diesel	Stack	Dual Core K12	
5 kW	Petrol	CPCBIV+	320 kVA	Diesel	CPCBIV+	Dual Core 6K1080	2500 kVA	Diesel	CPCBIV+/Stack	Quad Core DV10	
3.5 kVA	Diesel	CPCBIV+	400 kVA	Diesel	CPCBIV+	Dual Core 6K1080	3000/3300 kVA	Diesel	Stack	Dual Core K12	
5 kVA	Diesel	CPCBIV+	500 kVA	Diesel	CPCBIV+	Dual Core 6K1080	3000 kVA	Diesel	CPCBIV+/Stack	Quad Core DV12	
7.5kVA	Diesel	CPCBIV+	500 kVA HD	Diesel	CPCBIV+	Dual Core SL90	4000 kVA	Diesel	CPCBIV+/Stack	Octacore D15L6	
10 kVA	Diesel	CPCBIV+	500 kVA HD	Diesel	CPCBIV+	Quad Core 4K1080	4000 kVA	Diesel	Stack	Quad Core DV16	
15 kVA	Diesel	CPCBIV+	640 kVA	Diesel	CPCBIV+	Dual Core SL90	5000 kVA	Diesel	Stack	Quad Core DV16	
15 kVA	Ethanol	CPCBIV+	700 kVA	Diesel	CPCBIV+	Dual Core SL90	5000 kVA	Diesel	Stack	Quad Core K12	
12.5 kVA	PNG	CPCBIV+	1000/1010 kVA	Diesel	CPCBIV+/Stack	Dual Core D15L6	6000 / 6600 kVA	Diesel	Stack	Quad Core K12	
15 kVA	PNG	CPCBIV+	1000/1010 kVA	Diesel	CPCBIV+/Stack	Quad Core 6K	8000 kVA	Diesel	Stack	Quad Core K12 (2026)	
NATURAL GAS			1000/1010 kVA	PNG	CPCBIV+/Stack	Dual Core DV12	10000 kVA	Diesel	Stack	Octacore DV16 (2026)	
25/30 kVA	PNG	CPCBIV+	1000/1010 kVA	PNG	CPCBIV+/Stack	Quad Core DV8	12000 kVA	Diesel	Stack	Octacore K12 (2026)	
62.5 kVA	PNG	CPCBIV+	2000 kVA	PNG	CPCBIV+/Stack	Quad Core DV12					
82.5 kVA	PNG	CPCBIV+	1250 kVA	Diesel	CPCBIV+/Stack	Dual Core DV10					
125 kVA	PNG	CPCBIV+	1250 kVA	Diesel	CPCBIV+/Stack	Quad Core SL90					
250 kVA	PNG	CPCBIV+	1400 kVA	Diesel	CPCBIV+/Stack	Quad Core SL90					
320 kVA	PNG	CPCBIV+	1500 kVA	Diesel	CPCBIV+/Stack	Dual Core DV12					
500 kVA	PNG	CPCBIV+	2000 kVA	Diesel	CPCBIV+/Stack	Dual Core DV16					
			2000 kVA	Diesel	CPCBIV+/Stack	Quad Core D15L6					

^ Tolerances Apply: # With 0.845 Specific Gravity of diesel (5% Tolerance) || \$ These weight are for handling & transportation only, ±5% tolerance apply || * Efficiency of Alternator as per standards IEC 60034-1
|| ** For operation of outgoing breaker higher version of Synchronization controller is required || For Site Conditions other than standard operating conditions consult Kirloskar Oil Engines Ltd. || For Site specific layout consult Kirloskar Oil Engines Ltd to ammend the Genset alignment/configuration

KIRLOSKAR POWERGEN PRODUCT PORTFOLIO

2.8 kW - 12000 kVA



Kirloskar Powergen Advanced Manufactured Gensets			Kirloskar Powergen Gensets					
kVA	Fuel / Model No.	Emission Norms	kVA	Fuel	Emission Norms	kVA	Fuel	Emission Norms
MULTI-CORE PRIME RATINGS WITH RESTRICTED OVERLOAD			ALTERNATE FUEL			MHP		
500 kVA	Dual Core 6K	CPCBIV+	58.5 kVA	H2: CNG	CPCBIV+	320 kVA	Diesel	CPCBIV+
700 kVA	Dual Core SL90	CPCBIV+	15 kVA	Ethanol	CPCBIV+	320 kVA HD	Diesel	CPCBIV+
750 kVA	Tri Core 6K	CPCBIV+	120 kVA	H2: Diesel	CPCBIV+	400 kVA	Diesel	CPCBIV+
1010 kVA	Quad Core 6K	Stack	20 kVA	IBA	CPCBIV+	500 kVA	Diesel	CPCBIV+
1050 kVA	Tri Core SL90	Stack	LHP			500 kVA HD	Diesel	CPCBIV+
1100 kVA	Dual Core D15L6	Stack	7.5 kVA	Diesel	CPCBIV+	625 kVA	Diesel	CPCBIV+
1400 kVA	Quad Core SL90	Stack	10 kVA	Diesel	CPCBIV+	625 kVA HD	Diesel	CPCBIV+
1650 kVA	Tri Core D15L6	Stack	15 kVA	Diesel	CPCBIV+	750 kVA	Diesel	CPCBIV+
2250 kVA	Quad Core D15L6	Stack	20 kVA	Diesel	CPCBIV+	HHP		
HYBRID GENSETS			25 kVA	Diesel	CPCBIV+	1010 kVA	Diesel	Stack
10 kVA + 4 kW	Diesel+Solar+Battery	CPCBIV+	30 kVA	Diesel	CPCBIV+	1250 kVA	Diesel	Stack
20 kVA + 8 kW	Diesel+Solar+Battery	CPCBIV+	35 kVA	Diesel	CPCBIV+	1250 kVA	Diesel	Stack
30 kVA + 12 kW	Diesel+Solar+Battery	CPCBIV+	40 kVA	Diesel	CPCBIV+	1500/1650 kVA	Diesel	Stack
40 kVA + 16 kW	Diesel+Solar+Battery	CPCBIV+	45 kVA	Diesel	CPCBIV+	2000 kVA	Diesel	Stack
			58.5 kVA	Diesel	CPCBIV+	2500 kVA	Diesel	Stack
			82 kVA	Diesel	CPCBIV+			
			125 kVA	Diesel	CPCBIV+			
			160 kVA	Diesel	CPCBIV+			
			200 kVA	Diesel	CPCBIV+			
			200 kVA HD	Diesel	CPCBIV+			
			250 kVA	Diesel	CPCBIV+			



ADVANCED MANUFACTURED GENSETS

SHAPING THE FUTURE.
DELIVERING POWER GLOBALLY.

INGENIOUS DESIGN.
UNMATCHED PERFORMANCE.

KIRLOSKAR OIL ENGINES LIMITED
A Kirloskar Group Company

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Khadki, Pune, Maharashtra 411 003
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Helpline: +91 8806 33 44 33
koel.sales@kirloskar.com

BETTER
POWER
FOR A

limitless

TOMORROW

Stamp of
Authorised
Representative

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20250926/REV0/DOMESTIC/ Kirloskar powergen_125-12000 kVA