

SENTINEL
3 kW - 7.5 kVA
GENSET

READY STEADY
POWER



India's Largest
Fleet of Gensets



Lowest Footprint



Fuel Saving



Easy Mobility on Wheels



Aesthetical

Better power for a

limitless

Tomorrow

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.

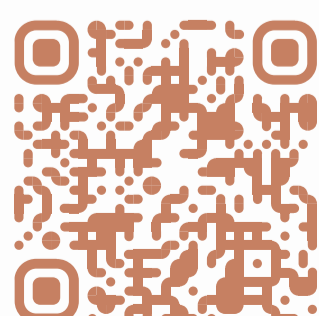
limitless **POTENTIAL, SUSTAINABLE PRACTICES**

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.

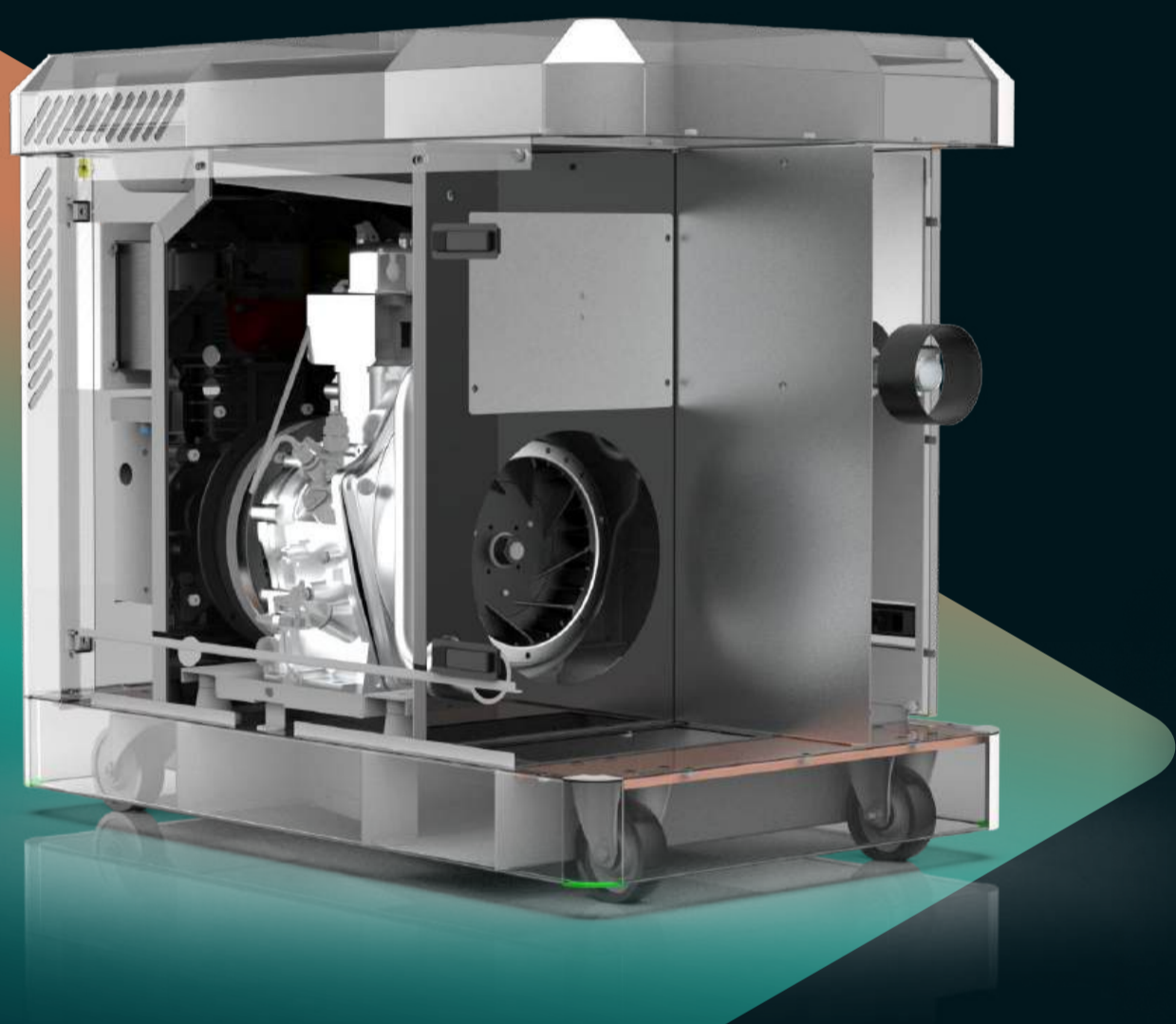
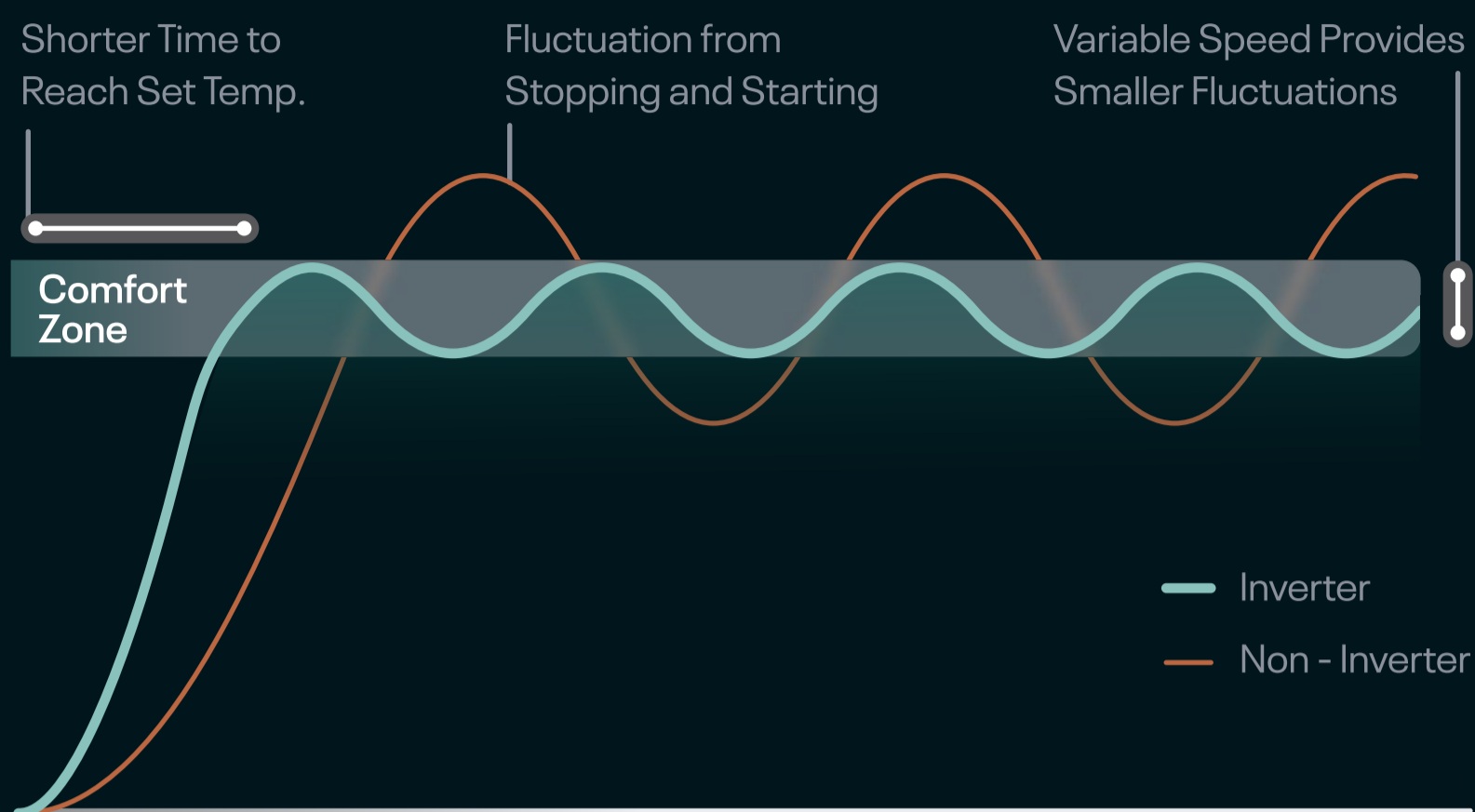





Variable Speed Diesel Generators

VSDGs are designed to deliver optimized performance, superior fuel efficiency, and lower operational costs. Unlike conventional gensets, VSDGs intelligently adjust engine speed based on load demand, ensuring minimal fuel consumption, reduced emissions, and quieter operation.

With advanced load-sensing technology, VSDGs provide cleaner power for critical load.





Ideal for applications that demand reliable, sustainable, and cost-effective power solutions.



-  **India's #1 Genset Brand**
-  **Inverter technology**
-  **Easy to handle**
-  **Low operating cost**

The versatile power generator solution

Combined possible load on 3 kW*	Estimated equipment's watts	No. of units
 LED Lights	10	8
 CFL Lightning	30	8
 Tube Light	45	6
 Ceiling Fan	60	6
 Refrigerator	300	1

Combined possible load on 3 kW*	Estimated equipment's watts	No. of units
 Computer	300	2
 Washing machine	350	1
 TV LED Type 32"	32	2
 Air Conditioning	-	-
Any other units	-	-

* This is just for illustration & various combinations as per respective needs are possible.

** However in Case of AC operation requirement, there would be change in other connected loads and as such you are requested to contact authorised Kirloskar genset sales experts.

3 kW, 3.5 kVA, 5.5 kVA & 7.5 kVA

Petrol & Diesel Genset Inverter Technology

India's #1 Genset brand

- With over 1 million Gensets in operation
- Our advanced power solutions extend up to 10 MW, ensuring reliable performance across all varying customer needs

Extensive Product Range

- Choose from 3 kW to 7.5 kVA gensets for optimal power solutions
- Solutions tailored for residential, and commercial applications

Unmatched Service Network

- Backed by 5,000+ skilled engineers and a network of 450+ fully-equipped service centres
- Centralized monitoring ensures superior service quality and swift response times
- Hassle-free support—just contact our customer service, and an authorized representative will be at your doorstep!

Advanced Power Solutions

- Aesthetically appealing enclosure with lowest footprints matching today's customer requirements
- Effortless portability for ultimate convenience — from beach parties to jungle camps
- Cutting edge VSDG technology delivering Cleaner power and lowest cost of operations
- Automatic start* for uninterrupted power
- Compliant with the latest noise and emission regulations for an eco-friendly operation



SENTINEL

3 kW - 7.5 kVA

GENSET

READY STEADY

POWER

Why settle for limited backup?
Power a wide range of
appliances seamlessly with
Kirloskar Gensets.



Computer/
Laptop



LED
Television



Washing
Machine



Air
Conditioner



Refrigerator



Cold Drink
Refrigerator



Deep
Freezer

TECHNICAL SPECIFICATIONS

Particular	PETROL			DIESEL		
Rated Output at 230V / 50Hz		3 kW	5 kW	3.5 kVA	5.5 kVA	7.5 kVA
Max Rating***	kW/kVA	3 kW	5 kW	3.5 kVA	5.5 kVA	7.5 kVA
Genset model		KG4 - PP - 3AS	KG4 - PP - 5AS	KG4 - P - 3.5AS	KG4 - P - 5.5AS	KG4 - P - 7.5AS
Voltage	V	230	230	230	230	230
Sound Level	LWA / dB(A)	< 86 LWA			< 75 dB (A)	
Fuel Consumption**	At 100% Load	1.62	2.83	1.11	1.69	2.0
	At 75% Load	1.3	2.37	0.93	1.36	1.7
	At 50% Load	1	1.88	0.78	1.07	1.1
Fuel Tank Capacity	Ltrs	12.5	12.5	12.5	12.5	26
Overall Dimensions of Genset (L x W x H)^	mm	820 X 480 X 630	1040 X 550 X 685	950 X 595 X 855	950 X 595 X 855	1135 X 730 X 860
Weight of Genset with Canopy approx^	Kg	83	150	170	170	220

ENGINE

Engine Model		CCP196	CCP389	CC 418 G1	CC 418 G1	CC 519
RPM		3000				
Rated Output (Prime Continuous rating) as per ISO 3046	kWm	4	6.5	5.5	5.5	7.2
	HP	5.5	8.8	7.47	7.47	9.8
Cubic Capacity	cc	196	389	418	418	519
Lube Oil Change Period \$	Hrs	First 20 hr. then Every 100 hr.			100	
Lube Oil Sump Capacity	Ltrs	0.6	1.1	1.65	1.65	1.7
Starting System		Electric / Recoil	Electric / Recoil	Electric	Electric	Electric
Low Oil Level alert (Trip)		Yes	Yes	Low Lube Oil Level-No, Low Lube Oil Press-Yes		Low Lube Oil Press-Yes
Overload Warning		Yes	-	Yes	Yes	Yes
Battery Charging		Yes	Yes	Yes	Yes	12V, 8A SMPS Charger
Eco Throttle		Electronic	Mechanical	Mechanical	Mechanical	Mechanical

INVERTER

Rated Output at 230V / 50Hz	KW	3		3.5	6	6
Max Output	KW	3		4	6.5	6.6
% THD (Voltage)		< 5%	< 5%	< 5%	< 5%	< 5%
Display Parameters		Digital Multi Fu'n Meter Voltage, Frequency, Hours		KG645-Controller (Voltage, Frequency, Hours)		Microprocessor based Genset controller
Fuel Gauge (Mech. Level Indicator)		Yes	Yes	Yes	Yes	Yes
AC Output connector		Yes	Yes	Yes	Yes	Yes
AC Circuit Breaker		Yes	Yes	Yes	Yes	Yes

Notes

^ Standard Tolerances Apply

** 5% Tolerance ; 5% Tolerance with ECO Mode for 2.8 kW Petrol

*** Some Electrical Appliance motor take more power during startup than rated power

\$ At NTP

Genset Model will be available in 4 wheel configuration
For regular Operation do not exceed rated power



Easy to Handle



Inverter Technology



Low Cost of Operation



Compact Size

3 kW

Inverter Technology



VSDG Technology



Compact Footprint



Power on Wheels



Low Cost of Operation

7.5 kVA

Portable Diesel Genset
Inverter Technology

KIRLOSKAR POWERGEN PRODUCT PORTFOLIO

3 kW - 10 MW / 12500 kVA

Kirloskar Powergen Advanced Manufactured Gensets

kVA	Fuel	Emission Norms
MOBILE & STATIONARY		
3 kW	Petrol	CPCBIV+
4 kW	Petrol	CPCBIV+
5 kW	Petrol	CPCBIV+
3.5 kVA	Diesel	CPCBIV+
5 kVA	Diesel	CPCBIV+
7.5kVA	Diesel	CPCBIV+
10 kVA	Diesel	CPCBIV+
15 kVA	Diesel	CPCBIV+
15 kVA	Ethanol	CPCBIV+
12.5 kVA	PNG	CPCBIV+
15 kVA	PNG	CPCBIV+

kVA	Fuel	Emission Norms
NATURAL GAS		
25/30 kVA	PNG	CPCBIV+
62.5 kVA	PNG	CPCBIV+
82.5 kVA	PNG	CPCBIV+
125 kVA	PNG	CPCBIV+
250 kVA	PNG	CPCBIV+
320 kVA	PNG	CPCBIV+
500 kVA	PNG	CPCBIV+

kVA	Fuel	Emission Norms	Model No.
HHP, OPTIPRIME & CUSTOM SOLUTIONS			
125 kVA	Diesel	CPCBIV+	Dual Core 4R810
250 kVA	Diesel	CPCBIV+	Dual Core 4K1080
320 kVA	Diesel	CPCBIV+	Dual Core 6K1080
400 kVA	Diesel	CPCBIV+	Dual Core 6K1080
500 kVA	Diesel	CPCBIV+	Dual Core 6K1080
500 kVA HD	Diesel	CPCBIV+	Dual Core SL90
500 kVA HD	Diesel	CPCBIV+	Quad Core 4K1080
640 kVA	Diesel	CPCBIV+	Dual Core SL90
700 kVA	Diesel	CPCBIV+	Dual Core SL90
1000/1010 kVA	Diesel	CPCBIV+/Stack	Dual Core PV6
1000/1010 kVA	Diesel	CPCBIV+/Stack	Quad Core 6K
1000/1010 kVA	PNG	CPCBIV+/Stack	Dual Core DV12
1000/1010 kVA	PNG	CPCBIV+/Stack	Quad Core DV8
2000 kVA	PNG	CPCBIV+/Stack	Quad Core DV12
1250 kVA	Diesel	CPCBIV+/Stack	Dual Core DV10
1250 kVA	Diesel	CPCBIV+/Stack	Quad Core SL90
1400 kVA	Diesel	CPCBIV+/Stack	Quad Core SL90
1500 kVA	Diesel	CPCBIV+/Stack	Dual Core DV12
2000 kVA	Diesel	CPCBIV+/Stack	Dual Core DV16
2000 kVA	Diesel	CPCBIV+/Stack	Quad Core PV6

kVA	Fuel	Emission Norms	Model No.
UHHP, OPTIPRIME & CUSTOM SOLUTIONS			
2500 kVA	Diesel	Stack	Dual Core DV16
2500 kVA	Diesel	Stack	Dual Core K12
2500 kVA	Diesel	CPCBIV+/Stack	Quad Core DV10
3000/3300 kVA	Diesel	Stack	Dual Core K12
3000 kVA	Diesel	CPCBIV+/Stack	Quad Core DV12
4000 kVA	Diesel	CPCBIV+/Stack	Octacore PV6
4000 kVA	Diesel	CPCBIV+/Stack	Octacore DV8
4000 kVA	Diesel	Stack	Quad Core DV16
5000 kVA	Diesel	Stack	Quad Core DV16
5000 kVA	Diesel	Stack	Quad Core K12
6000 / 6600 kVA	Diesel	Stack	Quad Core K12
8000 kVA	Diesel	Stack	Quad Core K12 (2026)
10000 kVA	Diesel	Stack	Quad Core K16 (2027)

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

KIRLOSKAR POWERGEN PRODUCT PORTFOLIO

3 kW - 10 MW / 12500 kVA

Kirloskar Powergen Advanced Manufactured Gensets

kVA	Fuel	Emission Norms	kVA	Fuel	Emission Norms
HYBRID GENSETS			ALTERNATE FUEL		
10 kVA + 4 kW	Diesel+Solar+Battery	CPCBIV+	62.5 kVA	H2: CNG	CPCBIV+
20 kVA + 8 kW	Diesel+Solar+Battery	CPCBIV+	62.5 kVA	Ethanol	CPCBIV+
30 kVA + 12 kW	Diesel+Solar+Battery	CPCBIV+	62.5 kVA	H2: Diesel	CPCBIV+
40 kVA + 16 kW	Diesel+Solar+Battery	CPCBIV+	125 kVA	H2: CNG	CPCBIV+

Kirloskar Powergen Gensets

kVA	Fuel	Emission Norms	kVA	Fuel	Emission Norms
LHP			MHP		
7.5 kVA	Diesel	CPCBIV+	320 kVA	Diesel	CPCBIV+
10 kVA	Diesel	CPCBIV+	320 kVA HD	Diesel	CPCBIV+
15 kVA	Diesel	CPCBIV+	400 kVA	Diesel	CPCBIV+
20 kVA	Diesel	CPCBIV+	500 kVA	Diesel	CPCBIV+
25 kVA	Diesel	CPCBIV+	500 kVA HD	Diesel	CPCBIV+
30 kVA	Diesel	CPCBIV+	625 kVA	Diesel	CPCBIV+
40 kVA	Diesel	CPCBIV+	625 kVA HD	Diesel	CPCBIV+
58.5 kVA	Diesel	CPCBIV+	750 kVA	Diesel	CPCBIV+
82 kVA	Diesel	CPCBIV+	HHP		
125 kVA	Diesel	CPCBIV+	1010 kVA	Diesel	Stack
160 kVA	Diesel	CPCBIV+	1250 kVA	Diesel	Stack
200 kVA	Diesel	CPCBIV+	1250 kVA	Diesel	Stack
200 kVA HD	Diesel	CPCBIV+	1500/1650 kVA	Diesel	Stack
250 kVA	Diesel	CPCBIV+	2000 kVA	Diesel	Stack
			2500 kVA	Diesel	Stack

^ 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



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

INGENIOUS DESIGN.
UNMATCHED PERFORMANCE.

KIRLOSKAR OIL ENGINES LIMITED

A Kirloskar Group Company

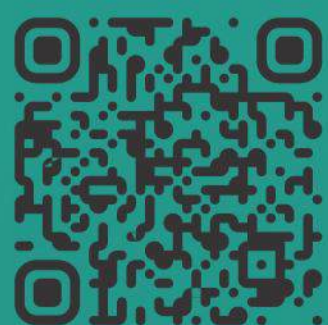
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BETTER POWER
FOR A

limitless

T O M O R R O W



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