

INDIA'S #1 GENSET BRAND

# Kirloskar iGreen Dedicated NG Genset



Continuous Power  
at your fingertips



India's first IOT enabled Genset  
The Complete Power Back-up Solution

EFFICIENCY HAS A NEW NAME

**kirloskar**  
**iGREEN**

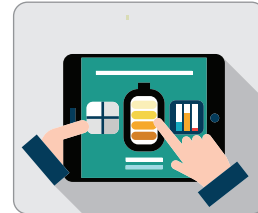
## Kirloskar iGreen Power Back-Up Solution

Kirloskar iGreen presents India's only digital power back-up solution, designed for the users of tomorrow. Kirloskar iGreen promises world class performance with world class features such as robust design, digital connectivity, ultimate convenience of use, smart user interface, superior looks and one-stop solution for its esteemed customers.

### Why Kirloskar iGreen Gas Genset ?

Need to pay only gas monthly bill – Online i.e. Power on you finger tips

- Energy savings: Saving against conventional fuel. Capital equipment with payback on additional investment
- Energy security: No theft of fuel, No handling / Transportation of fuel
- Energy prices: Pay what you use, No spillage, No adulteration
- Energy access: Continuous online
- Air Quality: Lower emissions: complying to CPCB II

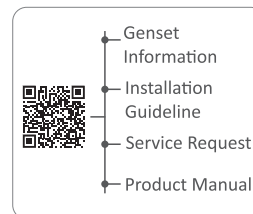


### Genset Monitoring at Your Finger Tips

Kirloskar iGreen gensets are enabled with Kirloskar remote monitoring system which shares real time genset information and location Services. It can be accessed via mobile device or desktop. Kirloskar remote monitoring system also highlights any parameter which needs special attention. These critical indication alerts are sent to user mobile via text message. It also alerts nearest services dealer in case of any emergency break-down.

### QR Code Enabled Genset

Kirloskar iGreen gensets are first in the industry to introduce QR code enabled Genset. It provides genset relevant information to user on a single scan. This QR code can also be used for accessing product catalogue or raising product service requests. So now all the information of your genset is a scan away.



### Ready to use with High Performance

Kirloskar natural gas gensets are ready to use. Easy to connect with the gas line. Proven in continuous operation, generator delivers the energy that can be counted at all times with the help of energy meter installed by gas supplier. Pay what you use. Easily accessible construction enables maintenance work to be carried out promptly, efficiently, and at low cost as compared to conventional fuel genset.

### Aesthetically Enhanced Genset

Kirloskar iGreen gensets are aesthetically enhanced range of gensets with improved product life. It comes with a bolt-less designed canopy which along with seamless appearance minimises the canopy deterioration. Ensure saving on space and make it more aesthetic. The new attractive colour scheme makes Kirloskar iGreen gensets more vibrant and green decals remind of Kirloskar's commitment to efficiency in conservation & going green in everything we do.



### Single Point Of Ownership

Kirloskar iGreen provides a single point ownership of your complete power back-up ecosystem. These systems are designed to work in coherence with each other and hence are capable of providing a seamless experience to customers. With India's largest service network Kirloskar iGreen provides a comprehensive warranty for all components of your power back-up ecosystem.

## Specification Data of Gas Generator

Prime Rating at rated RPM (as per ISO8528)		kVA	15 (SB)	62.5	125
		kW	12	50	100
Genset Model			<b>KG1-15AS NG1</b>	<b>KG1-62.5WS NG1</b>	<b>KG1-125WS NG1</b>
Frequency		Hz	50	50	50
Power factor		lagging	0.8	0.8	0.8
Voltage		V	230 (1Ø) & 415 (3Ø)	415 (3Ø)	
Governing class (As per ISO 8528-5)			G3	G3	G3
Noise level		dBA	< 75	< 75	< 75
Fuel consumption*	At 100 % Load	SCM	4	15.5	29.3
	At 75 % Load		3.5	12.5	23.2
	At 50 % Load		3.1	9.9	17.8
Inlet Gas pressure requirement		Min (Bar)	1	1	1
		Max (Bar)	4	4	4
Weight of genset with canopy (approx.) <sup>^</sup>	Dry	Kg	850	2500	3600
Overall dimensions of genset <sup>#</sup>	Length	mm	1740	3325	3750
	Width	mm	1050	1225	1500
	Height	mm	1410	1800	1980
Electrical battery starting voltage		Volts-DC	12	12	24
<b>ENGINE</b>					
Engine Model			<b>HA294 NG</b>	<b>6R1080 NG</b>	<b>6SL1500TA NG</b>
Rated output <sup>§</sup>	kW		15.1	61	114.7
	HP		20.5	83	171.5
No. of cylinder		Number	2	6	6
Cubic capacity		Ltrs.	1.89	6.49	8.86
Bore x Stroke		mm	100 x 120	105 x 125	118 x 135
Rated speed		RPM	1500	1500	1500
Aspiration		NA/TC/TA	NA	NA	TA
Lube Oil change period		hrs.	500	500	500
Lube oil sump capacity		Ltrs.	5	13	27
Coolant capacity		Ltrs.	NA	25	30
<b>ALTERNATOR</b>					
Insulation Class			Class H		
Alternator efficiency (at 100% load) 0.8 pf		%	86	91	92.5
Max voltage dip at full load 0.8 pf lag		Sec.	≤ 20 %	≤ 20 %	≤ 20 %
Max time to build up rated voltage at rated RPM			< 5 sec provided engine reach the rated speed		

■ <sup>§</sup> The maximum power of engines is declared at NTP conditions and an appropriate deration factor will be applicable with respect to Natural Gas genset site altitude and ambient air conditions. 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/m<sup>3</sup> ■ <sup>^</sup> A tolerance of +/- 5% will be applicable as per IS 8528 Standard.

■ <sup>#</sup> Dimensions are approximate and vary with options. ■ <sup>^</sup> Genset weight tolerance 50 Kg ■ SB- Standby ■ SCM- Standard Cubic Meter ■ Minimum 70 methane number required

Above specifications are subject to change without prior notice due to continuous technical development.

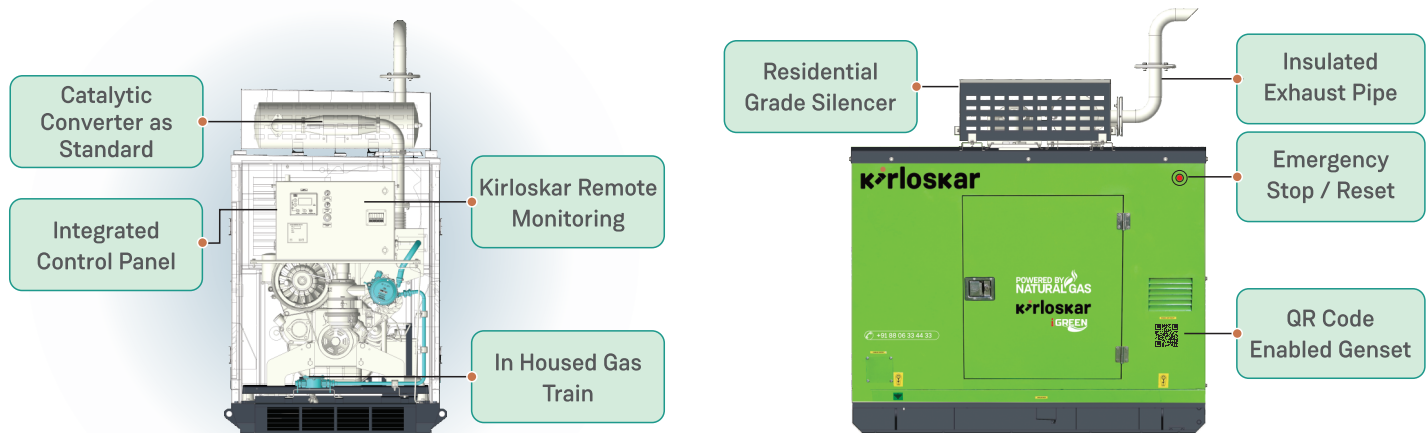
### Our Features:

- A simple and robust gas generator operate on PNG
- Gensets are reliable and CPCB II approved
- Kick load operation as per IS 8528
- Remote monitoring system
- Significant saving in fuel cost
- Ready to use package- Connect cable & Gas line
- Less overall costs
- Reliable and silent
- The gas genset eliminates the liability of diesel storage at site, ready to respond at 50Hz and meeting CPCB II emission standard
- Woodward make Governor
- Inbuilt catalytic convertor

### Kirloskar Gas Genset Advantage:

- Need to pay only gas monthly bill – Online i.e. Power on you finger tips
- Clean & safe fuel
- Environment friendly: Use of cleaner fuel
- Ease of operation
- Lower operating cost: Cleaner fuel support long overhaul
- Lower emissions: Complying to CPCB II
- Low noise pollution: Operate at low pressure
- No theft of fuel- It on line and metered; you pay gas bill online
- No Handling / Transportation of fuel: Its on line and metered
- No spillage: Once fitted no moving parts in connection
- No adulteration: Fuel measurement in energy i.e. MMBTU

## Features



## Benefits

<ul style="list-style-type: none"> <li>Value for Money</li> </ul>	<ul style="list-style-type: none"> <li>CPCB Approved</li> </ul>	<ul style="list-style-type: none"> <li>Low Noise Emissions Level</li> </ul>	<ul style="list-style-type: none"> <li>Best in Class Fuel Efficiency</li> </ul>
<ul style="list-style-type: none"> <li>Epoxy Polyester powder Coating</li> </ul>	<ul style="list-style-type: none"> <li>Bodywork Made from High Quality Steel Plate</li> </ul>	<ul style="list-style-type: none"> <li>Oil Sump Extraction Kit</li> </ul>	<ul style="list-style-type: none"> <li>No Storage of Fuel Required</li> </ul>
<ul style="list-style-type: none"> <li>Steel Residential Silencer -25db(A) Attenuation</li> </ul>	<ul style="list-style-type: none"> <li>No theft of Fuel and its Purity for Sure</li> </ul>	<ul style="list-style-type: none"> <li>IP Protection According to ISO 8528-13:2016</li> </ul>	<ul style="list-style-type: none"> <li>RTU (Ready to Use)</li> </ul>

Data is for information and not binding - Same is subject to change without notice product improvement is continuous process

**kirloskar**  
Oil Engines



[www.kirloskaroilengines.com](http://www.kirloskaroilengines.com)  
**Kirloskar Oil Engines Limited**  
A Kirloskar Group Company  
Laxmanrao Kirloskar Road, Khadki,  
Pune 411 003 INDIA.

**88 06 33 44 33**  
[koel.helpdesk@kirloskar.com](mailto:koel.helpdesk@kirloskar.com)

Mark bearing word 'Kirloskar' in any form as a suffix or prefix is owned by Kirloskar Proprietary Ltd. and Kirloskar Oil Engines Ltd. is the Permitted User. This Catalog is copyrighted and may not be reproduced in any form not even parts of it, without previous written permission by copyright owners, Kirloskar Oil Engines Ltd. Product improvement is a continuous process. Kindly contact Kirloskar for latest information. Images are for illustration purposes only.

