



5 - 12.5 kVA



India's first IOT enabled Genset

Complete Power Back-up Solution

#i for Tomorrow

5 - 12.5 kVA

Prime Rating at rated rpm (as per ISO 8528) ¹		kVA	5	7.5	10	12.5
		kW	4	6	8	10
Genset Model			KG1-5ASE	KG1-7.5ASE	KG1-10ASE	KG1-12.5ASE
Frequency		Hz	50	50	50	50
Power factor		lagging	0.8	0.8	0.8	0.8
Voltage		V	230 (1Ø) & 415 (3Ø)			
Governing class (As per ISO 8528 Part-V)			G2	G2	G2	G2
Noise level		dBA	<75	<75	<75	<75
Fuel Consumption #	At 100% Load	Ltrs/Hr	1.6	2.21	3	3.45
	At 75% Load		1.3	1.62	2.4	2.65
	At 50% Load		1	1.21	1.8	1.94
Fuel tank capacity		Ltrs	50	50	50	50
Weight of genset with canopy (approx..) [⊙]	Dry	Kg	640	650	710	800
	Wet	Kg	690	700	760	850
Overall dimensions of genset [^]	Length	mm	1417	1417	1767	1767
	Width	mm	820	820	820	820
	Height	mm	1321	1321	1328	1321
Electrical Battery starting voltage		Volts-DC	12	12	12	12
ENGINE						
Engine Model			EA10 G1	EA10G1	EA16G1	EA16G1
Rated output (Prime Continuous rating as per ISO 8528-1)	kW		7.3	7.3	11.8	11.8
	HP		10	10	16	16
No. of cylinder		Number	1	1	2	2
Cubic capacity ²		Ltrs	0.95	0.95	1.56	1.56
Bore x Stroke		mm	102 x 116	102 x 116	95 x 110	95 x 110
Rated Speed		RPM	1500	1500	1500	1500
Aspiration		NA/TC/TA	NA	NA	NA	NA
Lube Oil change period		hrs.	500	500	500	500
Lube oil Sump Capacity		Ltrs	3.5	3.5	6.5	6.5
Coolant Capacity		Ltrs	NA	NA	NA	NA
ALTERNATOR						
Insulation Class			Class H	Class H	Class H	Class H
Alternator Efficiency (at 100% load) 0.8 pf**		%	78.1	82.5	82.6	84.9
Max Voltage Dip at Full Load 0.8 pf Lag		sec	<20%	<20%	<20%	<20%
Max Time to build up rated voltage at Rated RPM			< 5 sec provided engine reach the rated speed			

Notes

[^] Tolerances Apply, [⊙]With 0.845 Specific Gravity of diesel (5 % Tolerance)

[⊙] These weight are for handling & transportation only

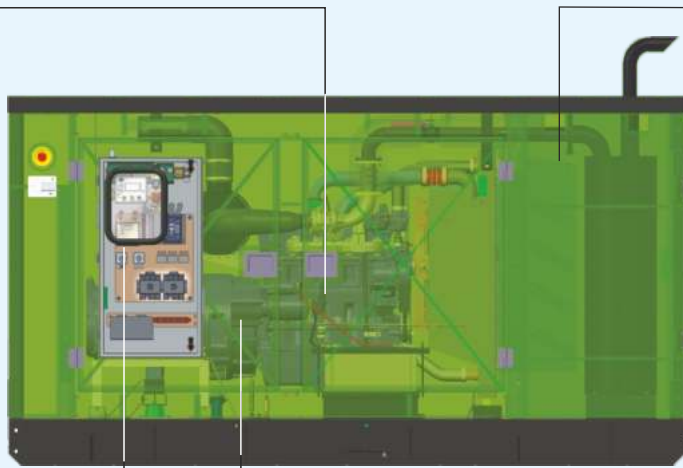
* Silencer inside canopy and bolt-less canopy is available only up-to 62.5kVA

** Efficiency of Alternator as per standards IS 4722 and IEC 34-1

For Site Conditions other than standard operating conditions consult KOEL for available prime power.

Engine

- Industries most reliable engines, proven over decades
- Low emission, high efficiency engines
- Compact, robust and rugged design
- +500 hours lube-oil change period



Controller

- Microprocessor based with graphical LCD display
- Best in class monitoring and diagnostic capability
- Communication configuration enabled

Canopy

- Silencer inside canopy*
- Aesthetically designed bolt-less canopy for enhanced product life
- Weather and sound resistant enclosure
- Ease of access and serviceability
- Insulation confirms to UL94-HF1 class for flammability

Alternator

- Best in class efficiency
- Minimum harmonics interference
- Vacuum pressure impregnation
- Epoxy gel coating on the winding

KOEL iGreen Power Back-Up Solution

KOEL iGreen presents India's only digital power back-up solution, designed for the users of tomorrow. KOEL 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.

Ultimate Convenience with AMF

KOEL iGreen gensets come with an Auto Main Failure panel which are specifically designed to deliver ultimate convenience to user. With mains power failure, this panel automatically starts the genset and once the mains power is restored this panel switch off the genset, providing hassle free experience with running cost optimization. This ensures uninterrupted power supply all the time.

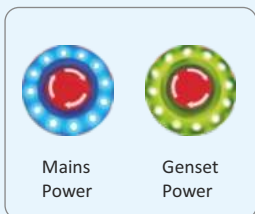
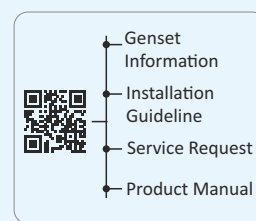


Genset Control at Your Finger Tips

KOEL iGreen gensets are enabled with KOEL remote monitoring system which shares Real Time Genset Information and location Services. It can be accessed via mobile device or desktop. KOEL 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 service dealer in case of any emergency break-down.

QR Code Enabled Genset

KOEL 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.



Status Indicator

KOEL iGreen gensets come with a genset status indicator which will help user understand the genset running status from a distance with just a glance. The genset status indicator is multicolour with each colour indicating a separate status of your genset. Green light indicates load is on Genset and Blue light indicates that load is on mains power.

Aesthetically Enhanced Genset

KOEL 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. Placing the silencer inside the canopy ensure saving on space and make it more aesthetic. The new attractive colour scheme makes KOEL iGreen gensets more vibrant and green decals remind of KOEL commitment to efficiency in conservation & going green in everything we do.



Single Point Of Ownership

KOEL 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 KOEL iGreen provides a comprehensive warranty for all components of your power back-up ecosystem.

Refuel and Relax, We will take care of your Genset

In addition to warranty, customers can choose a Comprehensive maintenance contract, ANUBANDH, in which KOEL promises to maintain your genset for 5years (or 6000hrs whichever is earlier). This specially designed package provides you hasslefree 24X7 services through well trained professionals, genuine spares and consumables directly through an agreement with KOEL. All you need to do is Refuel and Relax.



EFFICIENCY. INTEGRATED

A KOEL PROMISE

Efficient 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



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.

Efficient Service

- India's widest service dealer network
- KOEL 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



Efficient 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

Efficient 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 24X7 Care

- 24 X 7 operational customer care centre
- 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



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