

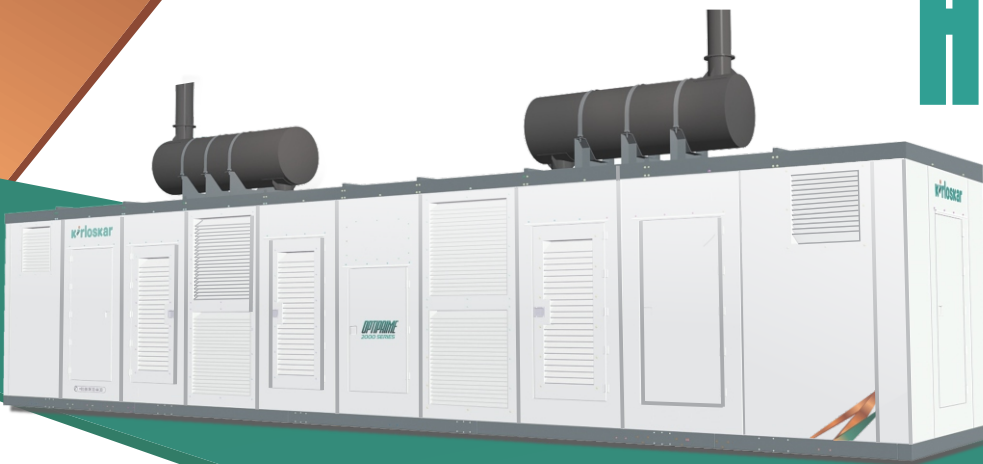
kirloskar
Oil Engines

TO THOSE WHO
POWER LIFE, WE SAY

MAY THE

POWER

**ALWAYS BE
WITH YOU**



OPTIPRIME

320 - 2020 kVA Series

BETTER POWER FOR A *limitless* TOMORROW

OPTIPRIME GENSET TECHNICAL SPECIFICATION

Prime Rating at rated rpm (as per ISO8528) ¹		kVA	320 (160 x 2)	500 (250 x 2)	2020 (1010x 2)
		kW	256	400	1616
Voltage/Frequency/Power factor		415V/50HZ/0.8 lagging			
Noise level		dB(A)	<75		
Overall dimensions of Genset [^]	Length	mm	5100	5000	12965
	Width	mm	2000	2500	2500
	Height (without silencer)	mm	2850	2014.2	2764
ENGINE					
Engine Model			6K 1080TA	6SL 1500TA	DV 16 ETA
Rated output (Prime Continuous rating as per ISO 8528-1)	kW		147 x 2	228X2	889X2
	HP		200 x 2	310X2	1210X2
No. of cylinder	Number		6 x 2	6 x 2	16X2
Cubic capacity ²	Ltrs		6.46	8.86	31.84
Lube Oil change period	hrs.		500		
Lube oil Sump Capacity	Ltrs		18 x 2	27 x 2	130X2
Coolant Capacity	Ltrs		28 x 2	32 x 2	180 x 2
ALTERNATOR					
Insulation Class			Class H		
Alternator Efficiency (at 100% load) 0.8 pf*	%		92.8	94.3	95.1
Max Voltage Dip at Full Load 0.8 pf Lag	sec		<20%		

Notes

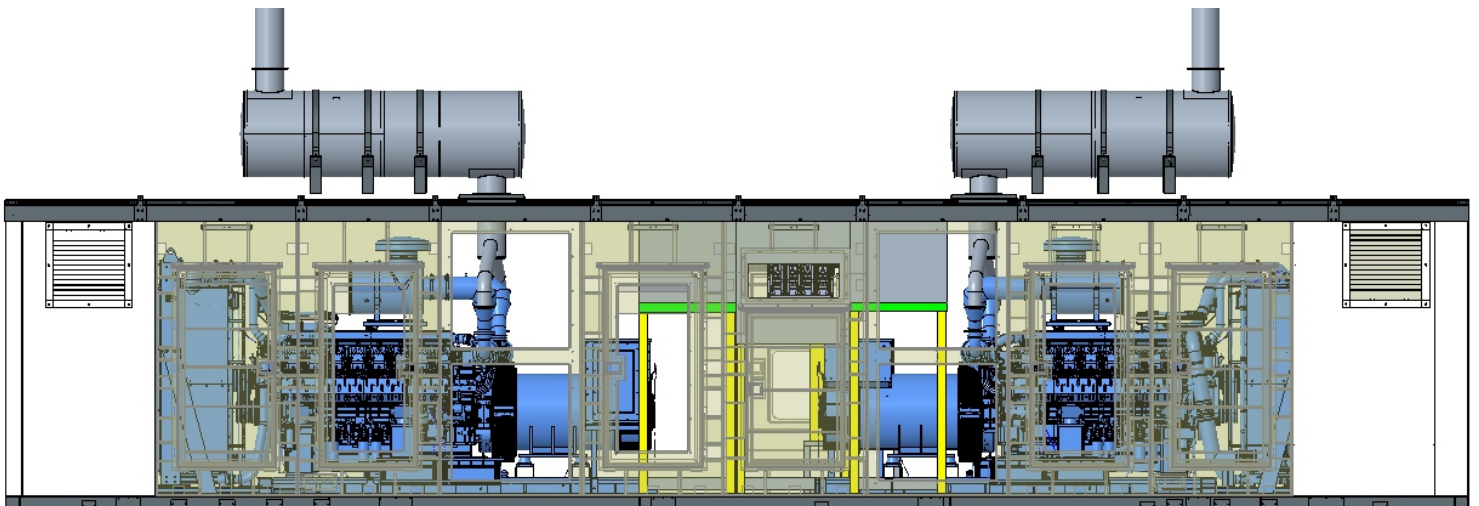
[^] Tolerances Apply

* Efficiency of Alternator as per standards IEC60034-1

For Site Conditions other than standard operating conditions consult Kirloskar Oil Engines Ltd.
For intermediate ratings, kindly contact nearest Kirloskar office

OPTIPRIME Features

- Optimum power
- Lower Product Footprint - gives you 20% reduction in space
- Optimal efficiency
- Better flexibility
- Optimised fuel consumption
- Lower your cost of ownership
- Twin Hybrid power packs and in-built synchronisation
- Lowers carbon dioxide emissions by 40%
- Nitrogen oxide emissions by 50%.



2 X Power: Innovation combined with Optimal Efficiency

Optimum Power :

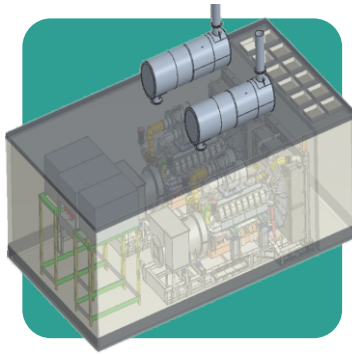
- Allows 25% to 100% loading
- Auto load monitoring and sharing

Optimum Footprint :

- Reduction in footprint

Optimum Saving :

- Best in class fuel consumption
- Optimized fuel Consumption at varied load

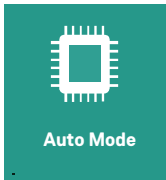


- Multiple configuration options available based on customer and site requirements
- Common Power output to load
- Single package solution
- Power redundancy
- Enhance Reliability
- Ease of handling and transportation

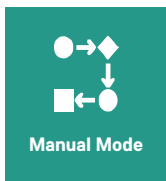
Combining innovation with efficiency



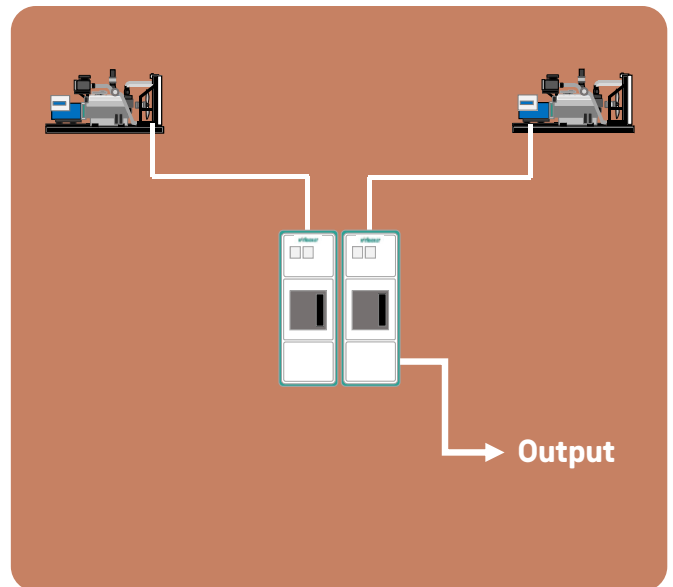
- One Master One Slave
- Logic / power sharing with equal rating of kVA & frequency
- Inbuilt AMF Capable Controllers
- DG sets can be operated in two modes: Auto mode & Manual mode



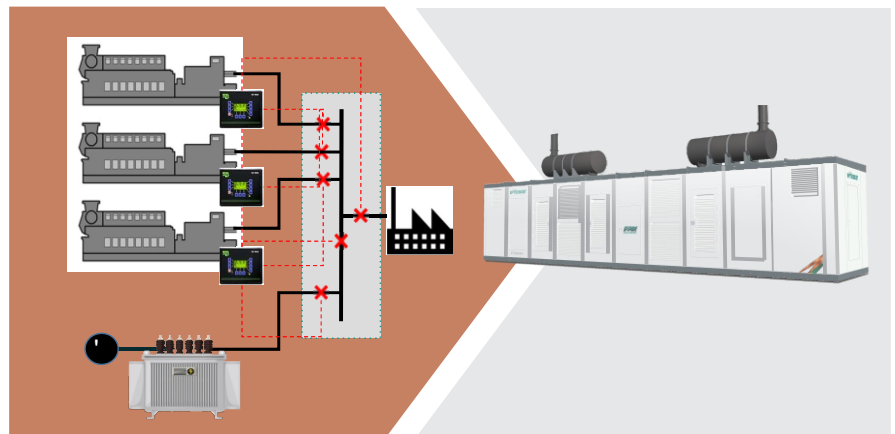
- Both DG to start in Synch within 30 sec.
- Load monitoring for 180 sec
- Continuous load monitoring
- Load transfer when load goes down below 70%
- Fully programmable




- Manual Operation possibility in case of urgency
- During service schedule





- Single unit for Genset controller & Synchronization Controller
- Genset Monitoring
- Engine Protection
- Alternator Protection
- Breaker Monitoring
- In built Load Sharing Module
- In built Neutral Interlocking Logic
- Run-Up Synchronization




 **> 320 kVA**
from a single unit

 **< NOx**
Up to 50% lower NOx

 **24 Hours**
Run at 50% even during service

 **< CO2**
Up to 40% lower CO2 emissions

 **< Service Costs**

 **< Fuel**
Up to 40% lower Fuel consumption

We understand your need for power; but do your power needs ever change? The Kirloskar custom solutions- "Optimus" is perfect for applications that have variable power needs, whether that's due to the time of day or the current usage requirements.

Fully loaded, the "Optimus" solves load low issues and reduces fuel consumption and CO2 emissions up to 40% on variable load applications, thanks to the centralized control panel with an integrated Power Manager System that switches on/off the two power packs according to the load required.

The "Optimus" can be used as a single unit, two different ones, prime and standby in the same box

EFFICIENCY. INTEGRATED

A KIRLOSKAR 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
- 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



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



Infrastructure



Industry



IT/ITES



Hospitality



Health



Realty



Government



Logistics

kirloskar
Oil Engines



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Stamp of
Authorised
Representative