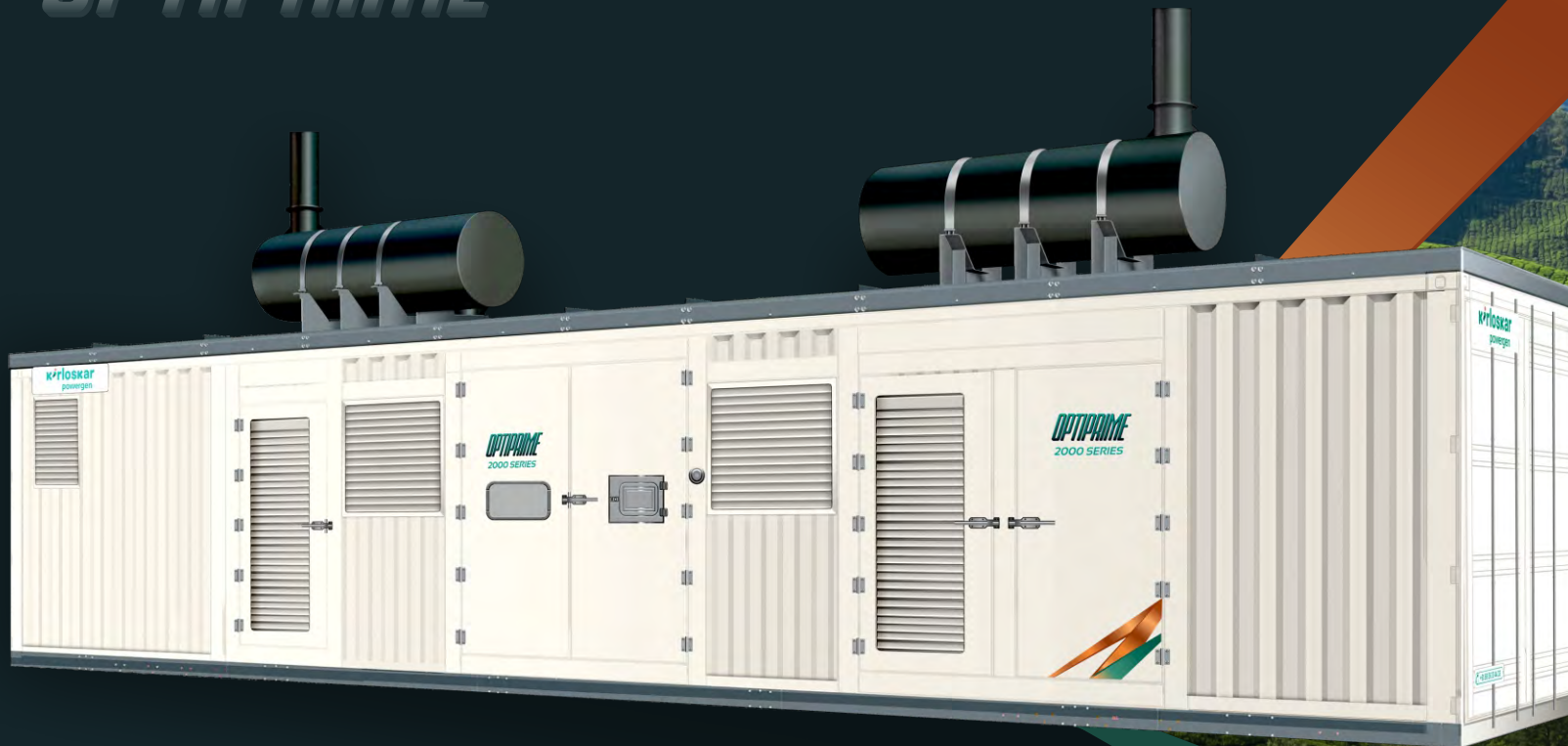


kärloskar
powergen

OPTIPRIME



**BETTER POWER
FOR A**

limitless

T O M O R R O W

CPCB IV+ COMPLIANT

117 • 400 • 500 • 640 • 1000 • 1500 • 2020kVA



BETTER POWER
FOR A

limitless

T O M O R R O W

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.

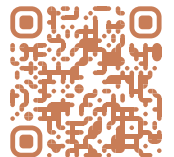
Kirloskar Powergen sets itself apart with groundbreaking engineering that establishes new industry benchmarks.



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 our Plant with a
QR Code Scan.



OPTIPRIME

117 • 400 • 500 • 640 • 1000 • 1500 • 2020kVA



— THE VERSATILE INFRASTRUCTURE POWER SOLUTION —



Infrastructure



Industry



IT Sector



Hospitality



Healthcare



Real Estate



Government



Logistics

Optiprime Genset Technical Specifications

ENGINE MODEL		4R810ETA 4G1	6K1080ETA 4G2	6SL90ETA 4G2	6SL90ETA 4G3	DV8 ETA 4G3	DV12 ETA 4G2	DV16 ETA G3
Rated output (Prime continuous ratings as per ISO 8528-1)	kW	54.4 x 2	183.8 x 2	228 x 2	279.5 x 2	447 x 2	662 x 2	889 x 2
	HP	74 x 2	250 x 2	310 x 2	380 x 2	608 x 2	900.6 x 2	1210 x 2
Number of Cylinders	No.	4 x 2	6 x 2	6 x 2	6 x 2	8 x 2	12 x 2	16 x 2
Cubic Capacity ²	Ltrs.	3.24 x 2	6.48 x 2	8.86 x 2	8.86 x 2	15.92 x 2	23.88 x 2	31.84 x 2
Lube Oil Change Period	Hrs.	500	500	500	500	500	500	500
Lube Oil Sump Capacity	Ltrs.	10 x 2	25 x 2	27 x 2	27 x 2	45 x 2	81 x 2	130 x 2
Coolant Capacity	Ltrs.	12.70 x 2	28 x 2	36 x 2	36.4 x 2	63 x 2	173.9 x 2	180 x 2
AdBlue / DEF Capacity	Ltrs.	NA	45 x 2	45 x 2	45 x 2	45 x 4	45 x 4	-
Block Loading Capacity	%	60	50	50	50	55	53	55

[illegible]

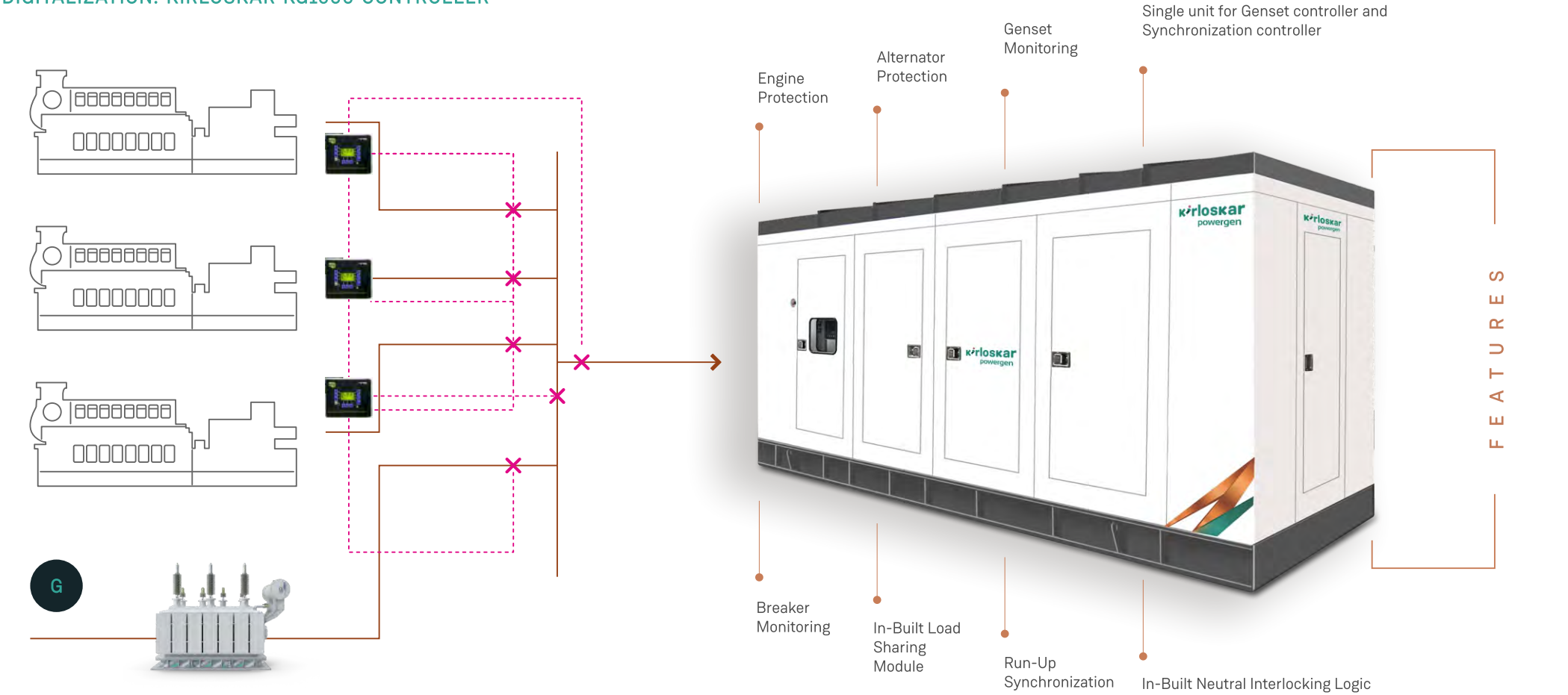
SYNCHRONIZATION PANEL

	OPTIPRIME 117	OPTIPRIME 400	OPTIPRIME 500	OPTIPRIME 640	OPTIPRIME 1000	OPTIPRIME 1500	OPTIPRIME 2020
	CPCB IV+ 58.5 x 2 kVA	CPCB IV+ 200 x 2 kVA	CPCB IV+ 250 x 2 kVA	CPCB IV+ 320 x 2 kVA	CPCB IV+ 500 x 2 kVA	CPCB IV+ 750 x 2 kVA	CPCB IV+ 1010 x 2 kVA Containerized
Incoming Breaker	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Outgoing Breaker	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Optional
Synchronization Controller**	KG1500	KG1500	KG1500	KG1500	KG1500	KG1500	KG1500

^ 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

MULTI GENSETS OPERATIONS
DIGITALIZATION: KIRLOSKAR KG1500 CONTROLLER



CUSTOMISED POWER SOLUTIONS FOR DYNAMIC NEEDS

Businesses worldwide face fluctuating power demands. Whether due to daily variations or specific usage patterns, a flexible power solution is essential.

Kirloskar offers the Optiprime, a customized solution ideal for applications with variable power needs. This innovative system tackles fluctuating loads, reducing fuel consumption and CO2 emissions by up to 40%.

The Optiprime's centralized control panel with an integrated Power Management System ensures optimal performance. This intelligent system seamlessly switches on or off the two power packs based on real-time load requirements.

The Optiprime's versatility extends to its configuration options. It can be deployed as a single unit, or two separate units can be combined, with prime and standby power functionalities housed within a single enclosure.

OPTIPRIME

FEATURES



Patented Hybrid Technology



Optimum Power



Optimal Efficiency



Optimised Fuel Consumption



Reduced Ownership Cost



Twin-Hybrid Power Packs and
In-built Synchronisation



Reduced Carbon Dioxide
Emissions by 40%



Reduced Nitrous Oxide
Emissions by 50%



Better Flexibility



Lower Product Footprint -
20% Reduction in Space

OPTIPRIME

FEATURES

Prime Rating:

Unlimited hours, 10% temporary overload possible.

O2E Series

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



Bigger Engine (cc):

Better genset performance and faster load handling

Common Rail Direct Injection (CRDi):

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

CPCB IV+ 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

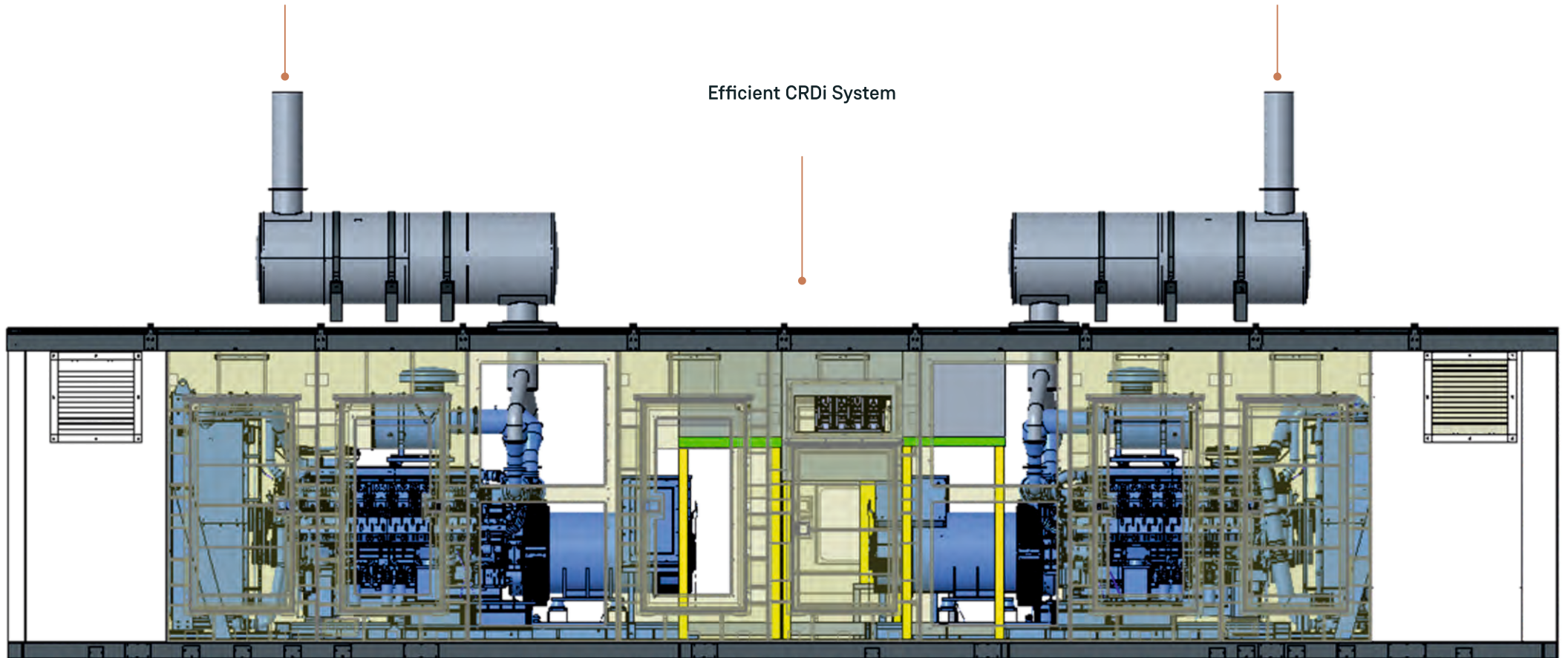
Beyond Efficiency.

A Closer Look at Cutting-Edge Technology

O2E Series: Low Emission

High Efficiency

Efficient CRDi System



500 Hours Lube Oil Change Period

Compact, Robust and Efficient.

Base Mounted Radiator System



Microprocessor Based Controller



Graphical LCD Display



Advanced Monitoring and Diagnostics



SHAPING THE FUTURE.
DELIVERING POWER GLOBALLY.

INGENIOUS DESIGN.
UNMATCHED PERFORMANCE.

KIRLOSKAR OIL ENGINES LIMITED
A Kirloskar Group Company

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BETTER
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TOMORROW