

Integral

solutions

INTEGREL E-POWER 15/30 KW SERIES





15/30 KW SERIES

A CLEANER, SMARTER SOLUTION FOR ONBOARD POWER



The **Integral E-Power 15/30 kW series** is a revolutionary generator replacement system designed to transform how power and sail boats manage their onboard energy needs. By leveraging surplus energy directly from the engine's crank shaft power take-off (PTO), Integral E-Power 15SE provides up to 15kW of clean, efficient power (up to 2000hp engine), and the 30DE model (for dual engine vessels up to 2000hp each) gives 30kW. Eliminating the need for a standalone generator, reducing noise, fuel consumption, and pollution, Integral E-Power 15/30 is the ideal choice for environmentally conscious boat owners.

KEY BENEFITS



Quiet operation

Goodbye to the hum of generators & enjoy quieter onboard experiences



Lower emissions

Harness the engine's potential more efficiently & reduce emissions



Fuel efficiency

Maximise power output without increasing fuel consumption



Fully automated

Fully automatic operation lets boat owners enjoy more time on the water



Designed with ease of use in mind, Integrel E-Power 15/30 seamlessly integrates into a boat's existing power management system.

Energy independence

Generate power on demand, wherever your adventures take you

48V system

A robust and reliable energy platform for modern boating needs

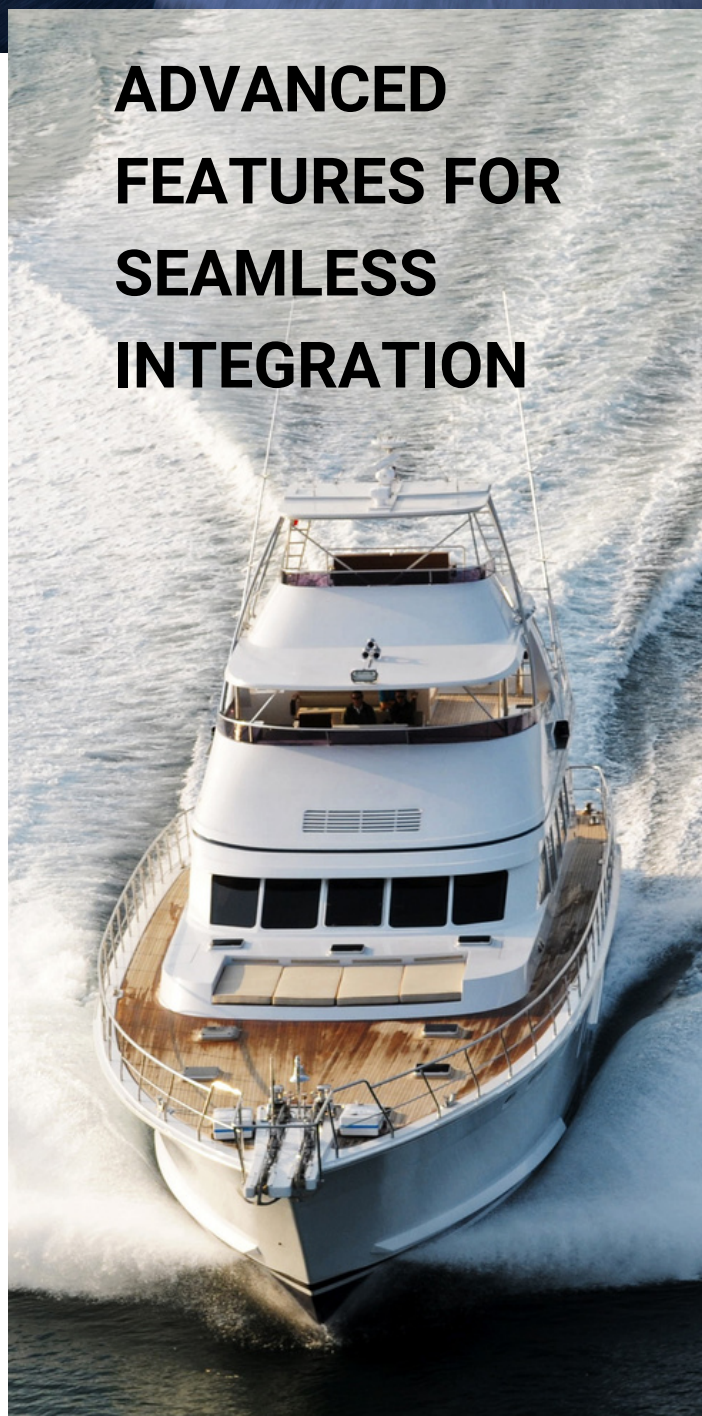
Liquid-cooled efficiency

Innovative liquid-cooled design ensures high performance with low maintenance requirements

Wide compatibility

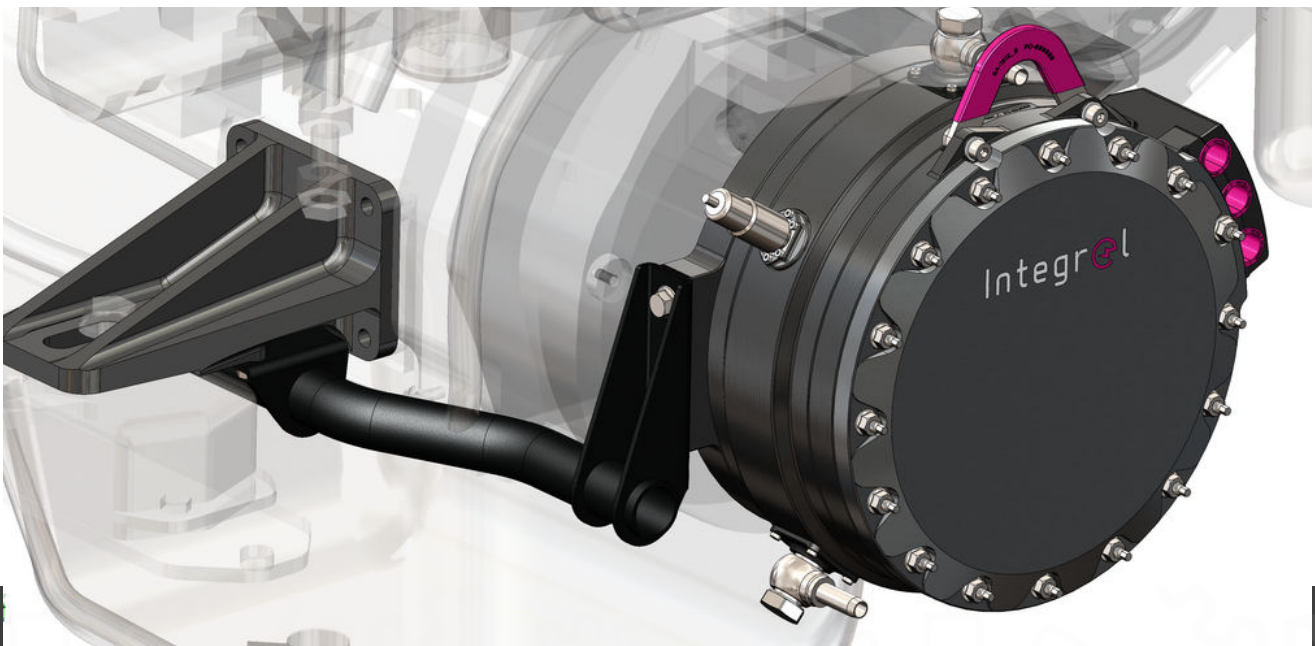
Suitable for engines ranging from 150hp to 2000hp

ADVANCED FEATURES FOR SEAMLESS INTEGRATION



UNLOCK MAXIMUM ONBOARD POWER

At the core of the system is a custom-designed high-efficiency electric generator capable of generating 15kW of electric power at mid-range engine speeds. The generator is installed on the front of the engine with an engine mounted or hull-mounted bracket and coupling. The E-Power generator is managed by a bespoke electronic system designed from the ground up to maximise power efficiency and operational safety. The system operates automatically in various modes according to throttle demand, the operational state of the fossil-fuel powered engine and the state of charge of the battery bank.



NEW BUILDS OR RETROFITS

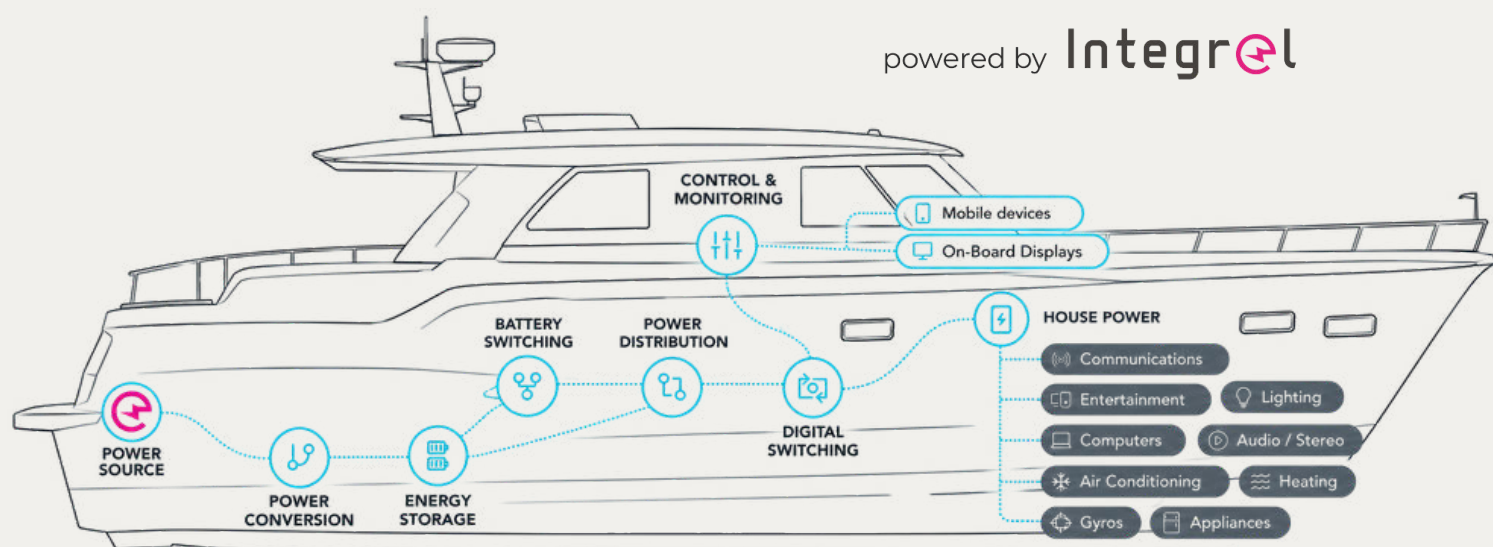
Whether you're upgrading an existing boat or equipping a new one, Integrel E-Power fits seamlessly. Its compact design and advanced technology allow for easy installation, giving boatbuilders the freedom to embrace cleaner, quieter, and more efficient power solutions.

- **Retrofit Applications:** Upgrade current setups with minimal disruption.
- **New Build Ready:** Incorporate this cutting-edge energy solution into your next project.

REVOLUTIONISING POWER. SIMPLIFYING BOATING.

FATHOM[®] e-power system

powered by **Integr[®]**



The Integr E-Power 15/30 kW series integrates seamlessly with the Fathom® e-power system from Navico Group, and delivers unprecedented power generation, intelligently stored in 48V Mastervolt batteries.

Combining powerful components from industry-leading brands like Mastervolt, CZone, Simrad, and Blue Sea Systems, the Fathom® e-power system is an alternative to traditional genset solutions. Allowing users to extend time away from the charge source by providing more battery capacity while eliminating noise, vibration, and harmful fumes associated with traditional generator experiences.

HOW IT WORKS?



The E-Power 15/30 system dynamically increases load on an engine, utilising the excess capacity, to make the engine operate closer to maximum efficiency. E-Power 15/30 can generate up to 30kW with a dual engine configuration to rapidly charge a bank of 48V batteries.

The energy generated is stored in the battery bank and can be used to provide power for house loads including air conditioning, cookers, hot showers, winches.

The E-Power system integrates with the engine to seamlessly control power generation. Operation is controlled using the 5" rectangular touchscreen that is typically installed at the inside helm.

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