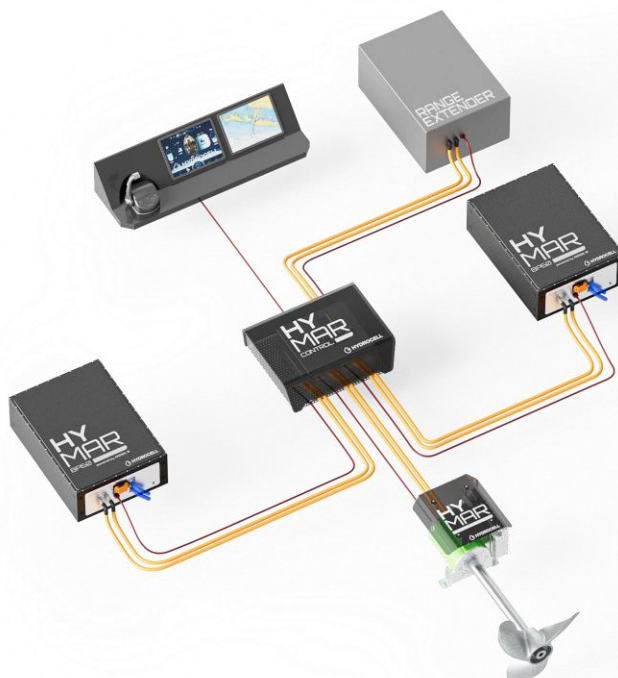


HYDROCELL

HYMAR

POWERTRAIN R

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POWERTRAIN R



KEY FEATURES

- **Modular from 30kW to 500kW peak power**
- **Marine certified**
- **Heavy-duty**
- **Continuous operation**

The HYMAR Powertrain R is a fully integrated serial hybrid electric propulsion system for maritime applications, delivering power outputs from 30 kW to 500 kW.

Its modular architecture allows seamless adaptation to a wide range of vessel types and operational profiles, whether in retrofits or new builds.

Built for heavy-duty, professional use, it incorporates a range extender such as an internal

combustion generator to ensure operational flexibility and extended range. Engineered for long hours of reliable performance, it offers a rugged and efficient alternative to conventional propulsion systems.

2025 - 04

SPECIFICATIONS

	R base	R power	R dual	R custom
Engine power (continuous)	40 kW	120 kW	2 x 80 kW	40 – 500 kW
Battery capacity	63 kWh*	63 kWh*	2 x 63 kWh*	max. 6 x 63 kWh
Battery technology	Li-ion 21700			
ICE generator	20 kW	60 kW	60 kW	-
Nominal voltage	407 V			400-700 V
Display	7"	12"	12"	-
Autonomy (@50% load)	~12 h (60l Diesel)	~12 h (200l Diesel)	~13 h (300l Diesel)	-
Charger	AC/DC 22kW			-
Weight	~500 kg	~600 kg	~1100 kg	-
Application	small Motorboats, Sailboats, small Workboats	Motorboats, big Sailboats, Workboats	Motorboats, Katamarans, Workboats	Motorboats, Sailboats, Workboats

*The number of battery packs can be customized to meet the specific needs of each client.