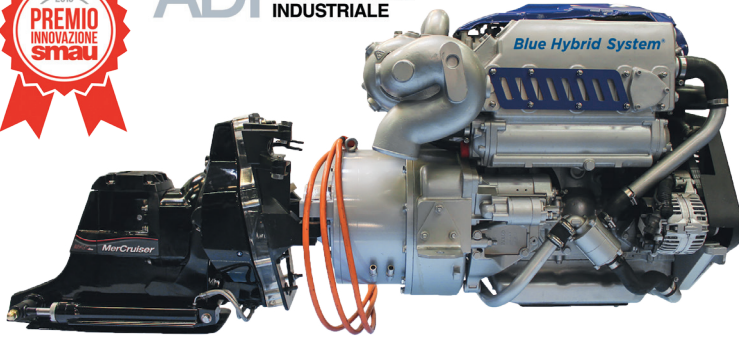


BHS BLUE HYBRID SYSTEM

HYBRID MARINE ENGINE KIT



ADI ASSOCIAZIONE
PER IL DISEGNO
INDUSTRIALE



GREEN POWER

The system puts together all advantages related to both diesel and electric engine: speed, power, wide operating time, zero emission, silence and reduced wave motion. Boat can easily switch from an operation mode to another while it is moving and can pass through marine protected areas without polluting. Moreover, using traditional engine during navigation, the electric engine can produce power, resetting idle time due to recharge operation at the pier.

AVAILABLE POWERS

From 10 to 30kw with an output power of 100% for over 1 minute.

USER INTERFACE

- a 4,3" color standard display shows all engines/generator data, battery status and all parameters necessary to navigation and whole system's control;
- electronic throttle managing both electric and endothermic propulsion.

ECU DEVELOPED IN HOUSE

All system is controlled by a CMD ECU developed in house. This control unit, using canbus technology to communicate with all components, allows the user to get easily a high power.

OPERATING TIME

From 1h to 4h by LiFePO4 batteries cells put inside an inox steel box 1,5mm thickness.

TECHNICAL DATA

	Blue Hybrid System®
Electric Unit Engine	8 synchronous poles
Maximum Propulsion Power [kWe]	20
Maximum Recharge Power [kWe]	15
Battery Voltage [V]	96 DC
Battery Life [cycles]	> 2000
Battery Capacity [kWh]	13,2
Duration electric propulsion standard equipment	2h with standard use cycle
Total electrical system weight [kg]	240
Single Battery Weight [kg]	125

Engine shown in the picture could be not equal to standard engines.

OPERATING SCHEME

