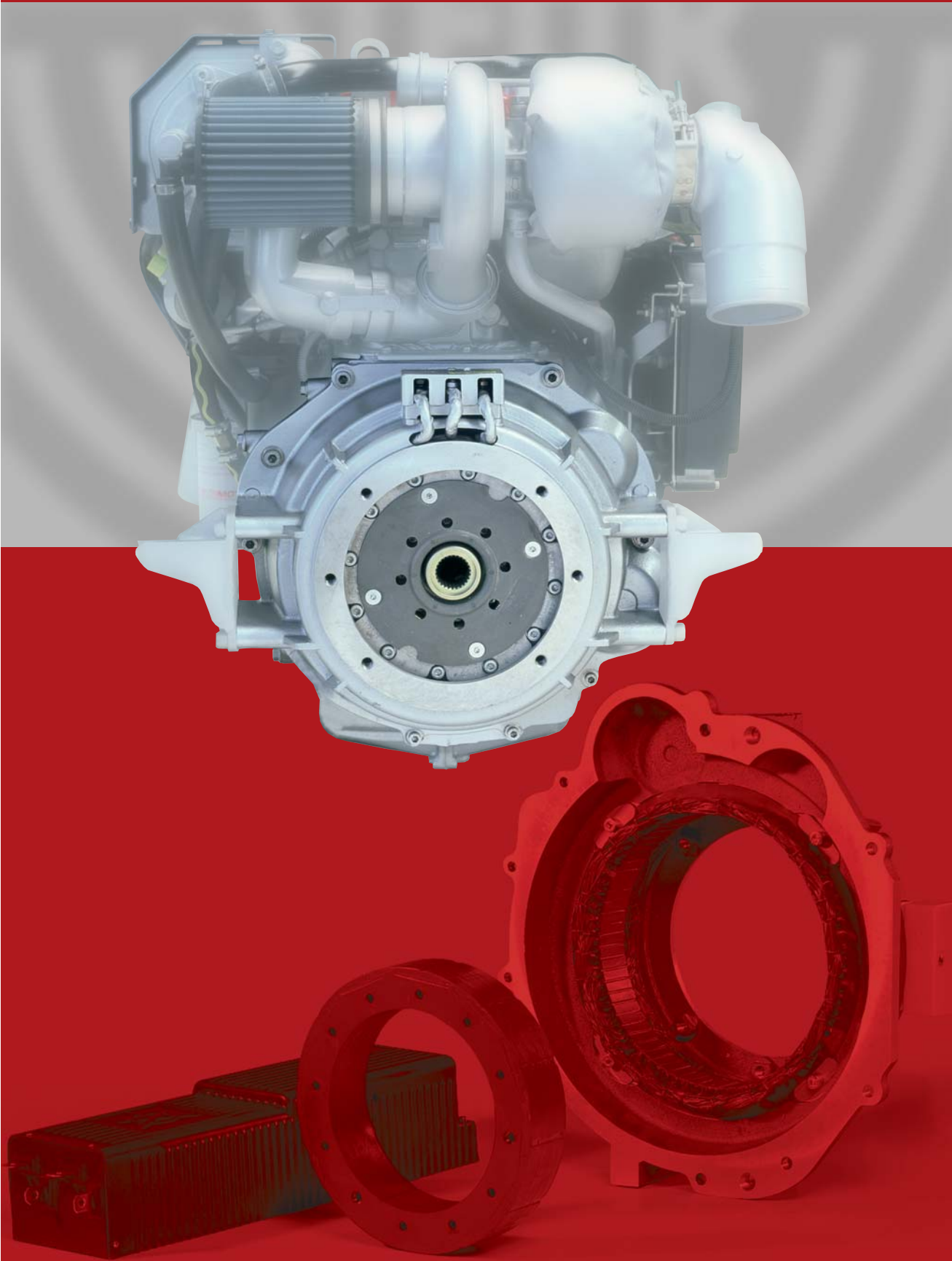




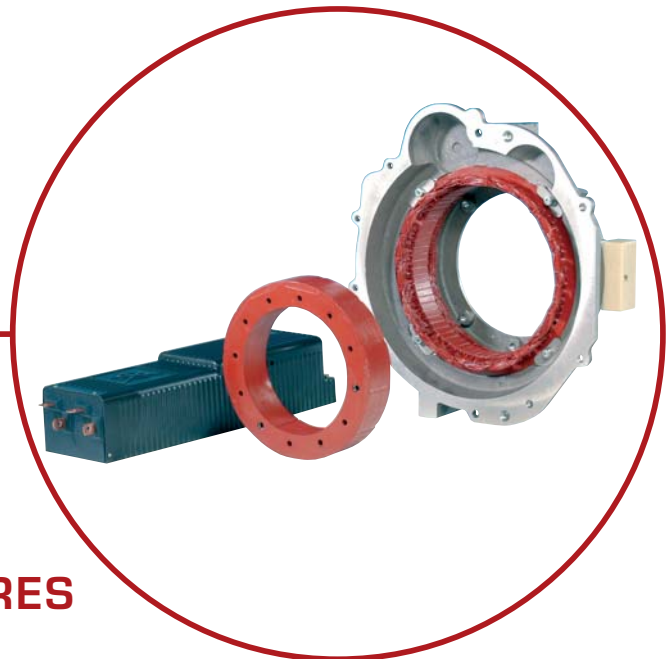
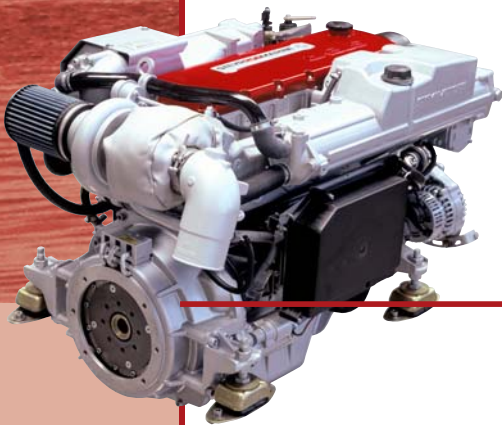
# STEYR IFG POWER SYSTEM



## TECHNICAL CONCEPT

STEYR MOTORS integrated flywheel generator "IFG" is an efficient and compact electric power source using up-to-the minute technology. Continuous power of **14V or 28V / 5kW** provides sufficient energy for almost all additional electrical loads possible on current applications. Further conversion to 230V/120V AC is possible with a simple connection of an additional inverter. The STEYR IFG Power System consists of a permanent magnet electric machine and the appropriate electronic controller.

- Powerful output of DC supply 14V/28V
- Compact, integrated design
- Just 30 mm elongation of engine length
- Robust permanent magnet technology
- Three phase brushless design, virtually maintenance free solution
- High efficiency (>80%)

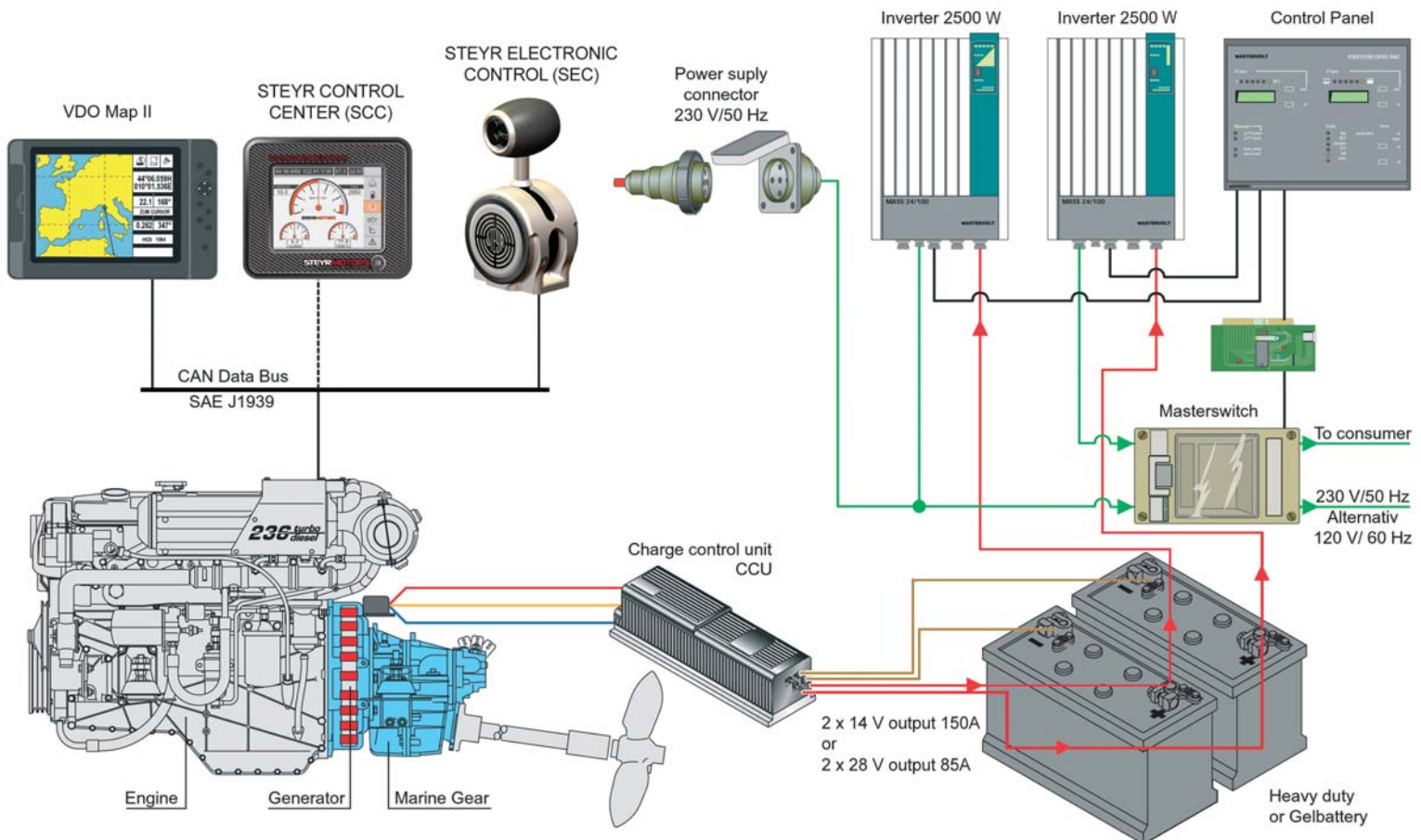
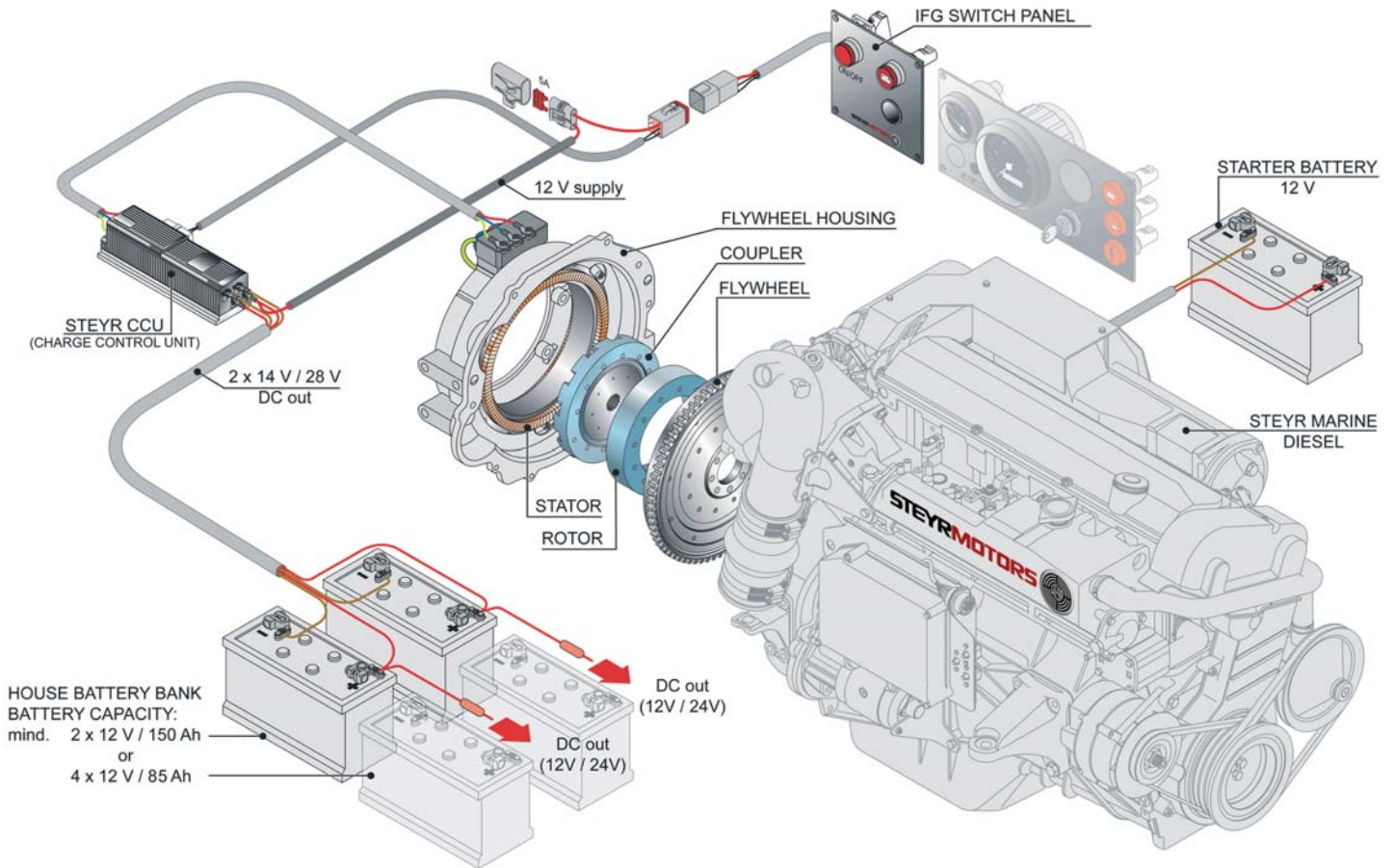


## COMFORT AND FEATURES

- **SAFE BOATING:**  
no gas on board
- **MORE COMFORT:**  
because low speed part time generating
- **LOW COSTS:**  
no extra installation required, no extra service required
- **MORE SPACE:**  
integrated compact (30 mm) solution
- **MORE RELIABILITY:**  
brushless permanent magnet technology
- **SUITABILITY:**  
easy application with off-the-shelf inverters up to 2 x 2.5kW AC output
- **ADAPTABILITY:**  
simple adaptation for gel-batteries



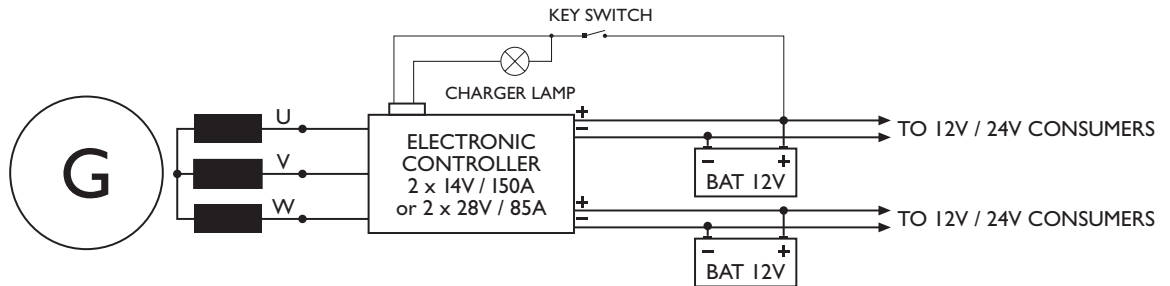
# INSTALLATION SCHEME 12V/24V



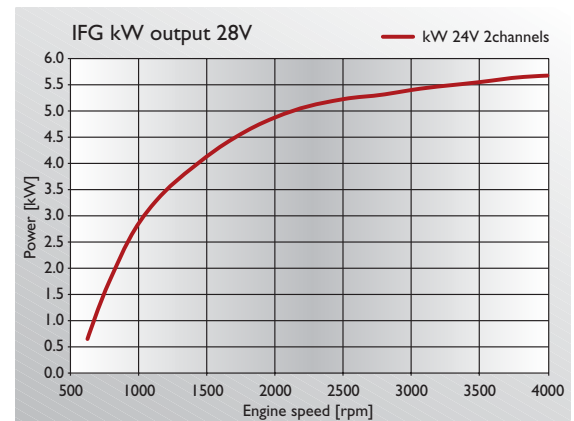
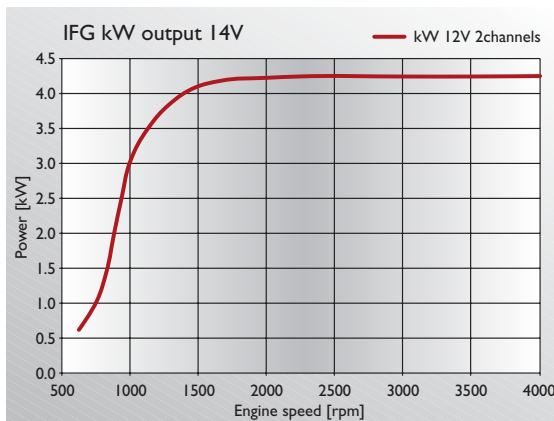
## STANDARD SUPPLY CONTENT "IFG"

- Cooled flywheel housing / Stator windings
- Rotor / Flywheel / Couples assembly
- IFG switch panel and harness
- Charge control unit (CCU)
- Optional: Inverter / Masterswitch / Control panel

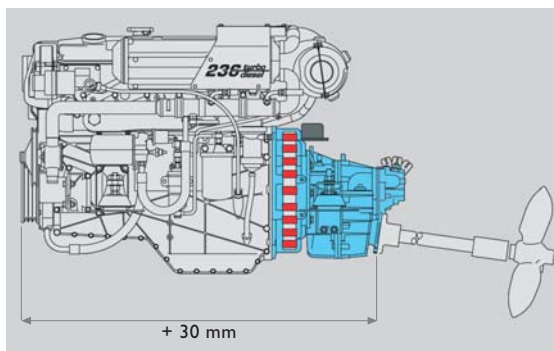
## CONNECTION DIAGRAM



## POWER CHARACTERISTICS



Standard packaging + 30 mm



## WEIGHT

- Rotor            7,5 kg     16.5 lbs
- Stator           10,5 kg    23.1 lbs
- CCU             9,2 kg     20.24 lbs