

## 5kW AC/DC power supply system for subsea application

Marine Industry



AC/DC Power Supply System

Subsea power supplies like this customized AC/DC system are used in power distribution systems to supply power to subsea equipment, including compressors, pumps and other electrical components used in subsea installations. SCHAEFER has considerable expertise in the design and integration of individual subsea power products into a reliable and efficient power system for decades. Stand alone, turnkey solutions, standard systems or systems tailored to the Client's specification, solutions which operate autonomously, continuously and with effectively no maintenance:

- Each system consists of two AC/DC converters in redundant operation
- Both converters with option "CSI": Interconnection among all converters, interrupted in case of failure
- Internal temperature switch 70°C for external fan control
- input voltage supervision (power ok) incl. relay contacts
- Converter failure indication: Alarm will trip on case of occurrence of one or several faults like: over temperature, input under- and over voltage, internally auxiliary voltage failure.
- Special mechanical design with customized cooling plate to fit into a subsea tube
- Increased mechanical strength
- Tropical protection

