



ACS880 liquid-cooled drives and drive modules



Compact and reliable solution



The ACS880 liquid-cooled drives and drive modules with direct liquid cooling and robust design are an ultimate solution for various applications where space savings, silent operation or durability in harsh environments is a must. Since the liquid-cooling takes care of 98% of the heat losses, no additional filtered air-cooling is needed and the modules can be mounted into totally enclosed cabinets or enclosures with high protection class.

The modules have high power density making their design extremely compact. To comply with marine requirements, the modules have marine type approvals from various key classification bodies.

The ACS880 liquid-cooled modules are specifically designed for machine builders and systems integrators. ABB offers an extensive selection of electrical and mechanical installation accessories and provides support to help in cabinet design and assembly.

Highlights

- Advanced liquid cooling enables a compact drive system with high power density
- Built on ABB's common drives architecture
- Direct torque control (DTC) for precise open and close loop control
- Marine type approvals from various key classification bodies
- Optimal solution for demanding operational environments
- Reliable operation and optimized uptime
- Fast maintenance and easy serviceability
- Extensive support for cabinet design and assembly

Products

Single drives



ACS880-07CLC
ACS880-07CLC liquid cooled single drive cabinets from 250 to 9200 kW / 690 V



ACS880-17LC
ACS880-17LC liquid cooled regenerative single drive cabinets from 250 to 6000 kW / 690 V



ACS880-37LC
ACS880-37LC liquid cooled ultra-low harmonic single drive cabinets from 250 to 6000 kW / 690 V

Products

Drive modules



ACS880-104LC
ACS880 liquid cooled inverter modules from 250 to 3000 kW / 690 V



ACS880-204LC
ACS880-204LC liquid cooled IGBT modules from 430 to 3502 kVA



ACS880-304LC
ACS880-304LC liquid cooled diode supply modules from 585 to 7027 kVA / 690V



ACS880-604LC
ACS880-604LC liquid cooled 1-phase brake chopper from 119 to 714 kW / 690 V



ACS880-1604LC
ACS880-1604LC liquid cooled DC-DC converters from 400 to 1800 A 690 V



HES880-104 Mobile Drive
HES880104 liquid cooled mobile drive module from 233 to 544 A.

Products

Multidrives



ACS880-107LC
ACS880 liquid cooled inverter units from 250 to 6000 kW / 690 V



ACS880-207LC
ACS880-207LC liquid cooled IGBT units from 430 to 6944 kVA



ACS880-307LC
ACS880-307LC liquid cooled diode supply units from 585 to 7027 kVA / 690V



ACS880-607LC
ACS880-607LC liquid cooled 1-phase brake chopper from 119 to 714 kW / 690 V



ACS880-1607LC
ACS880-1607LC liquid cooled DC-DC converters from 400 to 1800 A 690 V