

AD9000 Series

- Power module for AC/DC and DC/DC converters
- 3-level flying capacitor topology
- Liquid cooled
- 2000 V_{DC} ready



- Compact high-power module, suitable for marine and multipurpose applications
- Designed based on our experience in renewable energies (PV, BESS, H₂)
- Capable to withstand up to 2000 V_{DC} for integration in low and medium voltage systems (up to 6 kV_{DC})

Technical Data

ELECTRICAL SPECIFICATION: AC PORT	Nominal voltage	690–730 V
	Nominal current (continuous)	2000 A
	Nominal power	2.5 MVA
	Frequency range	50–60 Hz
	Power factor	-1 to +1
ELECTRICAL SPECIFICATION: DC PORT	Nominal voltage	Up to 1500 V (2000 V as option)
	Current	2500 A (3-phases)
ENVIRONMENTAL CONDITIONS	Protection rating	IP00
	Ambient operating temperature	-20 to +50 °C
	Storage temperature	-20 to +85 °C
	Relative humidity	5% to 85%
	Altitude	<2000 m a.s.l.
	Pollution degree	2 (IEC 61800-5-1)
COOLING	Coolant type	Water + ethylene glycol mixture
	Coolant temperature	+5 to +55 °C without derating
	Coolant flow rate (per phase)	15 l/min
WEIGHT AND DIMENSIONS	Weight	135 kg
	Dimensions (W × H × D)	243 × 884 × 860 mm
AUXILIARY SUPPLY INPUT	Power module	+15 V
	Modulation board	+24 V ±15 V