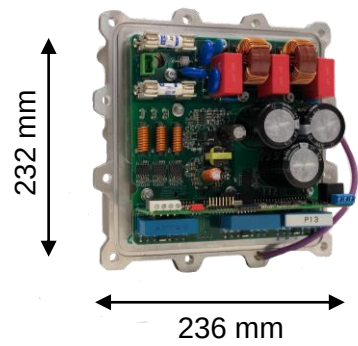


Motor Drive (Active Rectifier)

The new SINN Power Motor Drive with power rating up to 3.5 kW is the optimal solution for applications in harsh environments with continuous high performance.



Characteristics

- Active rectifying allows usage of simple solar inverter
- High-frequent switch removes harmonic waves
- Integrated fault monitoring
- Individual torque / speed curve implementable
- Active drive control
- Enables parallel connection of multiple units
- Communication of KPIs via webinterface
- External brake control (e.g. wind sensor)

Technical Specifications

AC side (engine)	Max. AC voltage (phase to phase)	170 V
	Max. AC current eff. (1 phase)	8.5 A
	Electric frequency	≤ 20 kHz (e.g. from 4 pole pairs ≤ 100,000 rpm)
DC side	Nominal DC voltage	350 V
	Current	10 A
	Power	3.5 kW
Operating performance	Max. efficiency	~ 0.98
Communication protocols	Customizable	e.g. Modbus, Ethernet, Wireless, CAN
Communication content	Speed, torque, power, voltage, current, temperature, diagnostic and alarming	
Control	Internal micro-controller Optional external via PLC	
Cooling System	Air cooling	
Environmental	Temperature	≤ 50 °C
Physical	Environmental protection rating	IP 68
	Cooling	Convection and optional water cooling
	Dimension	70 mm x 236 mm x 232 mm
	Weight	5 kg
	Mounting system	IM B3 (1001), threaded rod