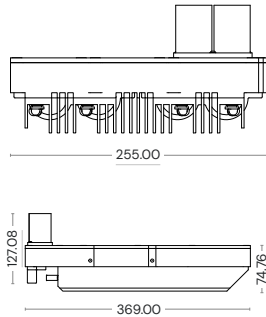




DATASHEET

Coil Driver™ Low Voltage



Inverter

Max DC voltage (VDC)	110
Performance voltage (VDC)	10–100
Peak power (kW)	62
Peak current (Arms)	520
Continuous current (Arms)	140
Peak torque (Nm) ¹	224
Continuous torque (Nm) ¹	150
Temperature range (C)	–40 to +60
Coil per phase	2
DC link voltage utilization	100%
Baud rate (pulse per sec)	500k
Cooling method	Air
Weight (kg)	8.2
Dimensions (mm)	369 x 255 x 127
Efficiency (%)	95+
Control interface	CAN 2.0 – programmable (J1939, open)

Standards & Protection

Ingress protection	IP67
Protective microcontroller unit (MCU) inputs	3 phase current, DC link voltage, motor position & temp., half-bridge temp.
CAN controller compliance	ISO11898-1
Component standards	AEC-Q100/AEC-Q101/AEC-Q200/ROHS
Toxic material and flammability	UL94-V0
Functional safety	ISO26262
Automotive quality management system	IATF16949
Automotive electromagnetic compatibility (EMC)	CISPR-25
Shock and vibration standard	GMW3172 sprung masses

¹ Torque values are based on a system comprised of Exro 100V Coil Driver™ and SMA motor.