

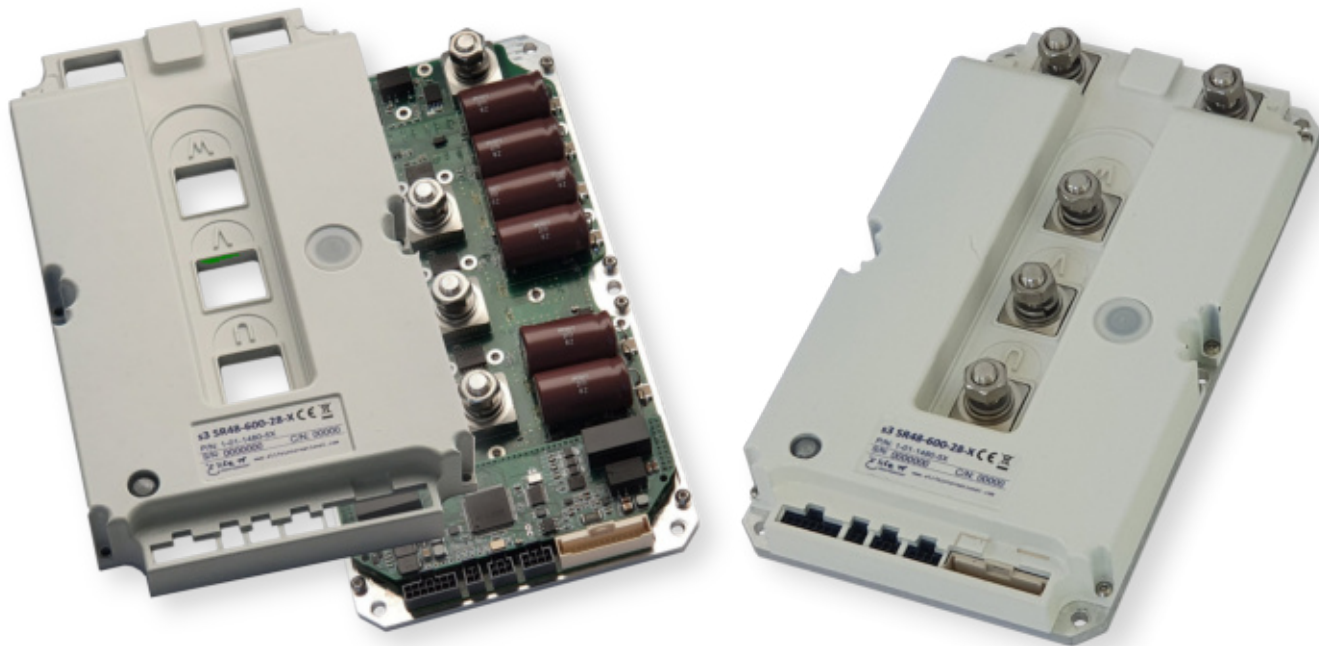
Elife-Drive SR Size 3

VERY COMPACT DIMENSIONS - VERY LOW PROFILE - 220x120x32 mm



This technical review shows the main features and technical information of Elife-Drive SR Size 3.

For further information about this series and to define an evaluation of your needs, please refer to our website to contact us.



The main **key features** include:

- Flexible and scalable, designed to control from 10V to 140V Brushless PMDC and PMSM, Brushed and AC Motors.
- Supported feedback types (are all available in version **X**):
Resolver, Absolute Encoder, SinCos, Hall Sensors, Incremental Encoder, Fa-Coder, SSI/BiSS Communication Protocol
- Advanced algorithms for predictive speed and torque control and telemetry of the Internal functions
- Communication protocol¹: **CANopen**[®]: CiA[®] DS301 and CiA[®] DSP402
(Profile position mode, Profile velocity mode, Profile torque mode, Cyclic sync position mode, Homing mode)
- Electromagnetic Holding Brake Output with DPR System (Dynamic Power Reduction)
- European Conformity **CE**, designed in accordance with EN 60950-1 safety requirements and EMC standards.

Specification:

- Four Quadrant Regenerative Operation
- Sinusoidal or Trapezoidal Commutation Methods
- Fully Configurable and Programmable
- Programmable Emergency Ramp Input
- SIL 3 Safe Torque Off (STO) Input
- Auxiliary Supply Voltage 9÷32V

Main Features:

- ➔ 6 x Programmable Single Ended Digital Inputs
- ➔ 4 x Programmable Digital Outputs
- ➔ 1 x 2A Brake Control Output
- ➔ 1 x Programmable 0÷10V 12-bit Analog Input
- ➔ 1 x 5V - 100mA Throttle Output
- RS232 port for telemetry and parameterisation

dimensions: 220x120x32 mm PHASE CURRENT *	NOMINAL BATTERY VOLTAGE - MAX MOTOR POWER				
	12V - 7kW	24V - 14kW	48V - 28kW	72V - 43kW	96V - 56kW
	10V ÷ 22V	10V ÷ 34V	10V ÷ 75V	10V ÷ 100V	10V to 140V
up to 400 Arms	SR12-400-7-x	SR24-400-14-x	SR48-400-28-x	SR72-400-43-x	SR96-400-56-x
up to 600 Arms	SR12-600-7-x	SR24-600-14-x	SR48-600-28-x	SR72-600-43-x	SR96-600-56-x

* The value of the maximum continuous (60 min) RMS phase current is ensured with an appropriate heat sink.



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