

# SLP2448-12 Type



Elife-Drive S **Low Profile Edition** is specifically designed to allow you to control your motor via **CANopen® Network<sup>1</sup>** and via Digital Signals. The integrated **Safety Functions** ensure you to operate in complete safety.

The main **key features** include:

- Designed to control Brushless, AC and PM1 Motors.
- The different types of feedback are supported: *SinCos Encoder*, *Hall Sensors*, **Sensorless**.
- CANopen® protocols<sup>1</sup>: CiA® DS301 and CiA® DSP402 (Interface Profile Velocity, Interpolated Position and Torque Profile Mode).
- Dedicated inputs for a series of Safety Functions: Safe Torque Off (**STO**), Safe Stop 2 (**SS2**), Safe-Limited Speed (**SLS**).
- Advanced algorithms for predictive speed and torque control.
- Programming and Telemetry via a dedicated serial port.
- European Conformity **CE**, and designed in accordance with the **EMC** emission (EN 61000-6-4) and immunity (EN 61000-6-2) standards.
- Elife-Drive is compliant with EN 60950-1 safety requirements.

## Specification:

- Four Quadrant Regenerative Operation
- Sinusoidal or Trapezoidal Commutation Methods
- Programmable Gain Setting
- Fully Configurable Velocity and Position Limits
- On-the-fly Mode and Gain Set Switching
- Integrated Safety Functions
- Emergency Ramp and Safe Torque Off (STO) Input

## Programmable Input/Output:

- ➔ 6 *Remappable* Digital Inputs Single Ended
- ➔ 4 *Remappable* Digital Outputs Singled Ended

**Table 1:** Description of Elife-Drive SLP2448-12 Type .



	VALUE
<b>Nominal Power Supply Voltage:</b>	48 V
(Operating Range)	( from 18 to 63 V )
Continuous RMS Motor Output Current:	<b>up to 300* A</b>
Available Power:	<b>up to 12 kW</b>
PWM Operating Frequency:	16 kHz
Digital Input Pin Voltage:	up to 36 V
Digital Input Pin Current:	4.0 mA @24 V
Digital Output Voltage:	up to 36 V
Digital Output Current:	up to 200 mA
Package Environmental Rating:	IP 40
Weight:	0.8 kg
	1.1 kg ( <i>resin-coated</i> )
Dimensions H x W x D:	220x120x32 mm

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



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This technical review shows the main features and technical information of Elife-Drive SLP2448-12 Type . For further information about this model and its applications, or to define an evaluation of your needs, please refer to our website to contact us.

<sup>1</sup> Elife International S.r.l. is a Member of **CiA® - CAN in Automation**