

Elife-Drive HR Series

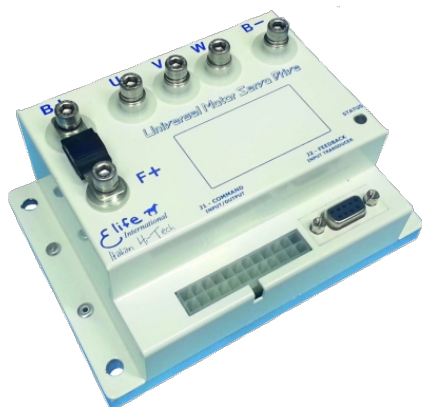


This technical review shows the main features and technical information of Elife-Drive HR Series. For further information about this series and the technical datasheets of each model, or to define an evaluation of your needs, please refer to our website to contact us.

The main **key features** include:

- Flexible and scalable, designed to control from 12V to 96V Brushless PMDC and PMSM, Brushed and AC Motors.
- Different types of Feedback Supported:
Resolver, SSI Absolute Encoder, SinCos, Hall Sensors, Incremental Encoder, Fa-Coder, etc.
- Advanced algorithms for predictive speed and torque control and telemetry of the Internal functions
- CANopen® communication protocol¹:
CiA® DS301 and CiA® DSP402 (Profile Velocity Mode, Profile Position Mode, Profile Torque Mode and Homing Mode)
- Electromagnetic Holding Brake Output with DPR System (Dynamic Power Reduction)
- European Conformity CE, and designed in accordance with the EMC standards.

Electrical Box Version:



Dimensions: 144x100x72 mm

Specification:

- Four Quadrant Regenerative Operation
- Sinusoidal or Trapezoidal Commutation Methods
- Fully Configurable and Programmable
- Emergency Deceleration Ramp and Emergency Input

Main Features:

- ➔ 5 Programmable Single Ended Digital Inputs
- ➔ 4 Programmable 400mA Digital Outputs
- ➔ 2 Programmable 2A Digital Outputs
- ➔ 1 Programmable 0÷10V 12-bit Analog Input
- ➔ 1 Programmable 5 or 10V - 100mA Throttle Output

Options:

- ➔ Internal DC-DC - Programmable 12 or 24V - 4A
- ➔ 20A PWM Output for External Braking Resistor

Table 1: Elife-Drive HR Series is available for different Supply Voltages and Phase Currents

PHASE CURRENT *	NOMINAL VOLTAGE SUPPLY - MAX MOTOR POWER				
	12V - 750W	24V - 1.5kW	48V - 3kW	72V - 4.5kW	96V - 6kW
	from 10V to 22V	from 16V to 34V	from 28V to 75V	from 46V to 100V	from 65V to 150V
up to 35 Arms	HR12-35-075-x	HR24-35-1.5-x	HR48-35-3-x	HR72-35-4.5-x	HR96-35-6-x
up to 65 Arms	HR12-65-075-x	HR24-65-1.5-x	HR48-65-3-x	HR72-65-4.5-x	HR96-65-6-x
up to 100 Arms	HR12-100-075-x	HR24-100-1.5-x	HR48-100-3-x	HR72-100-4.5-x	HR96-100-6-x
up to 150 Arms	HR12-150-075-x	HR24-150-1.5-x	HR48-150-3-x	HR72-150-4.5-x	HR96-150-6-x
up to 200 Arms	HR12-200-075-x	HR24-200-1.5-x	HR48-200-3-x	HR72-200-4.5-x	HR96-200-6-x

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



www.elifeinternational.com

+39.0565.944121

info@elifeinternational.com

¹Elife International S.r.l. is a Member of CiA® - CAN in Automation