Epulse 30/50/100 DC Servo drive

Overview

NILAB's **EPULSE30/50/100** servo drives are **low-voltage servo drives for battery-powered applications**.

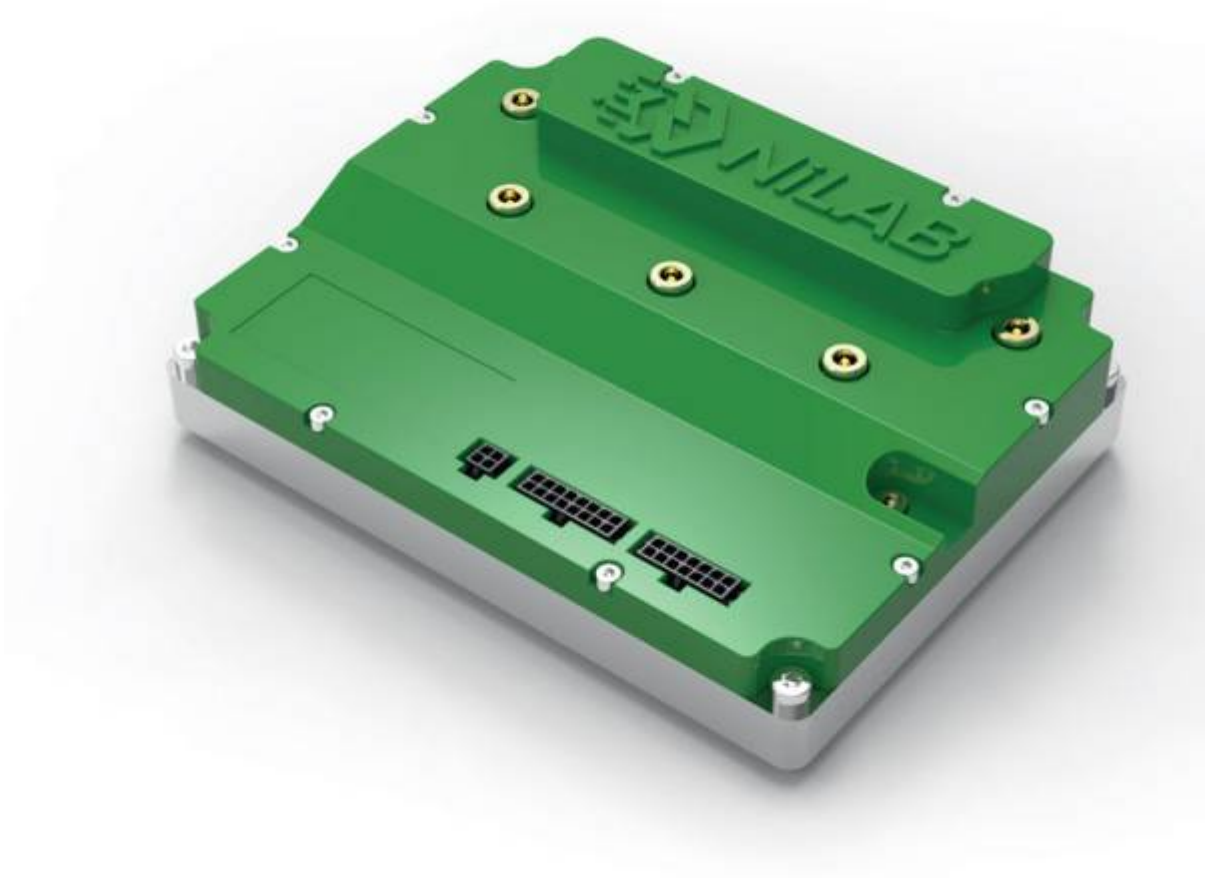
The **EPULSE30** servo drive can provide a current of up to 50 A with a battery range from 12 to 48 VDC. The **EPULSE50** servo drive can provide a current of up to 120 A with a battery range from 24 to 72 V. The **EPULSE100** servo drive can provide a current of up to 200 A with a battery range from 24 to 72 V.

Thanks to their **compact design**, these servo drives can be integrated even in the **smallest spaces** without performance loss. With these drives you get the best price-performance ratio. They are particularly suitable for **battery-powered vehicles**.

EPULSE 30/50



EPULSE100



Characteristics

Intelligent and flexible motor control thanks to compatibility with different encoder feedback types: Hall sensor, SIN/COS, resolver, variable-reluctance resolver (on request), ABZ + Hall Different control options: analog, CANopen Compact sizes for applications with vibrations and shocks Regenerative hardware/software ready PWM frequency 10 kHz 2 programmable digital inputs and outputs 1 CAN interface 1 serial interface for programming and diagnostics EPULSE50: accelerometer option Board version only, without cover available

Advantages

Flexible and efficient software algorithm Customizable firmware Control for standard brushless motors and motors with many pole pairs Datalogging CANopen fieldbus Accelerometer, goniometer, and tiltmeter compatible

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