

# 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 servodrive **EPULSE30** is able to provide a current up to 50 A with a battery range from 12 to 48VDC.

The servodrive **EPULSE50** is able to provide a current up to 120 A with a battery range from 24 to 72V

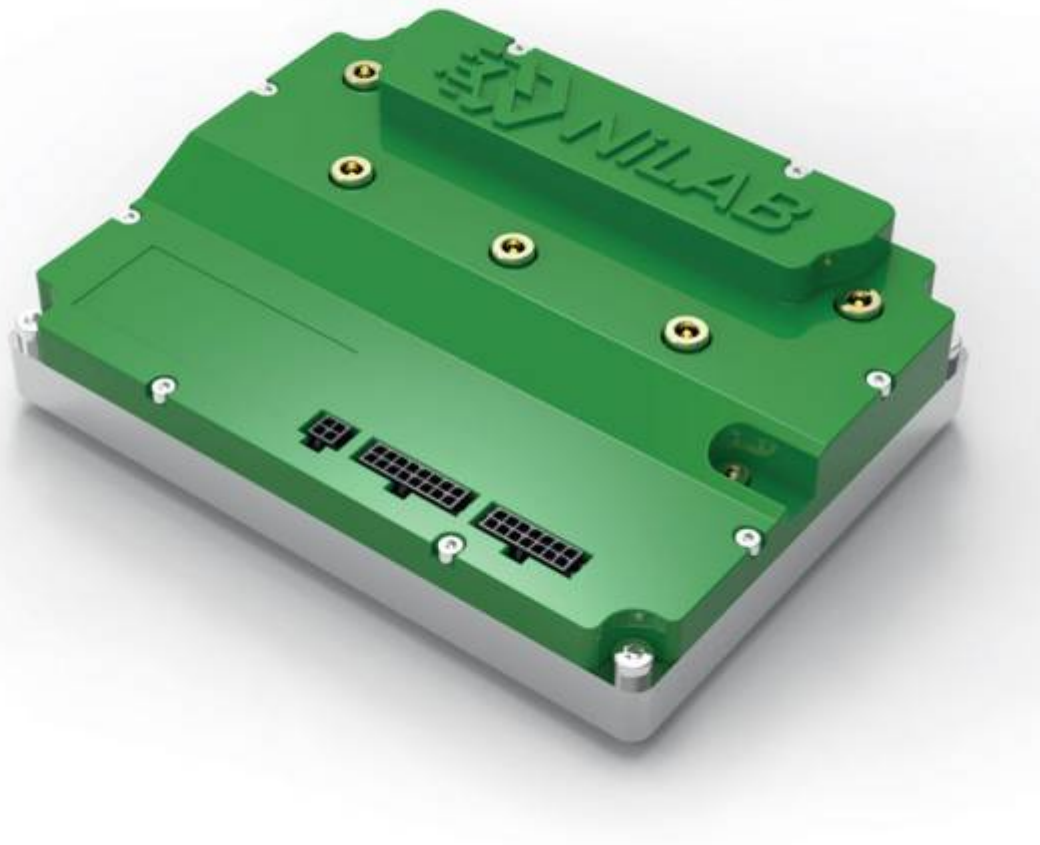
The servodrive **EPULSE100** is able to provide a current up to 200 A with a battery range from 24 to 72V

Thanks to their **compact design** these two types of servodrives can be integrated also in **smallest spaces** without performance loss. With these drives you receive the best price-performance-ratio. They are particularly indicated to be used in **battery powered vehicles**.

### EPULSE 30/50



### EPULSE100



## Characteristics

Intelligent and flexible control of the motors thanks to their compatibility with different types of encoder feedback: hallsensor, SIN/COS, resolver, variable reluctance resolver (on request), ABZ + Hall  
Different control options: analogic, CANopen  
Compact sizes for applications with vibrations and shocks  
Regenerative hardware / software ready  
PWN frequency 10 kHz  
2 programmable digital inputs and outputs  
1 CAN interface  
1 serial interface for programming and diagnostic  
EPULSE50: Accelerometer option  
Board version only without cover available

## Advantages

Flexible and efficient software algorithm  
Customizable firmware  
Control for standard brushless motors and for motors with many polpairs  
Datalogging  
CANopen fieldbus

Accelerometer, goniometer and tiltmeter compatible

From:

<https://dokuwiki.nilab.at/> - **NiLAB GmbH**  
**Knowledgebase**

Permanent link:

[https://dokuwiki.nilab.at/doku.php?id=epulse50\\_dc\\_servodrive:start](https://dokuwiki.nilab.at/doku.php?id=epulse50_dc_servodrive:start)

Last update: **2024/07/30 13:15**

