

ROADWIND SERVO DRIVE SERIES



Image Credit: NASA

150+ Configurations

Specifications

Bus Voltage (DC)	12V – 150V
Peak Motor Current	Up to 200A
Output Power Max	15kW
Temperature	-40°C to 71°C
Electrical Speed Max	Up to 300,000 RPM
Weight	8.1 lbs (3.7kg)
Motor Types	DC Brushless, Brushed and Induction
Feedback Options	Sensorless, Encoder, Resolver, Hall & BiSS-C
Cooling Options	Chassis, Fan or Liquid
Packaging	Ruggedized
Size	13.8" L x 7.0" W x 3.1" H

High-Speed & High Current Servo Solution

On the cutting edge of servo technology, the Roadwind series satisfies the most speed-hungry applications.

Roadwind operates at 12V to 150V, -40°C to 71°C and is ideal for ground defense, aerospace autonomous vehicles, racing and specialized industrial applications.

The fully-integrated Roadwind system combines all crucial functions into one compact ruggedized case.

Highlights

- Incredible high-speed performance up to 300,000 RPM
- High-density DSP controller
- Active inrush limiter
- Resolver, encoder, sensorless, hall & BiSS-C feedback
- Configurable, user-friendly GUI with enhanced data collection capability

Applications

- Actuator control
- Traction motor
- Camera stabilization
- Laser beam director
- Hybrid vehicles

Ordering Information

SERVO DRIVE ORDERING INFORMATION

Servo Drive	Continuous Motor Current*	Voltage	Feedback **	Cooling	Configuration
R-Roadwind	050-50A 100-100A 200-200A	025-25V 050-50V 100-100V 150-150V	1-Resolver 2-Encoder 3-BiSS-C 4-Hall 5-Resolver+ Encoder 6-Resolver + BiSS-C 7-Encoder + BiSS-C	1-Chassis 3-Liquid	S-Single-axis

* Peak of sine wave

** All options allow for sensorless feedback

Example:

Part Number: R200A050V11S

Servo Drive: Roadwind
 Continuous Current: 200A
 Nominal Voltage: 50V
 Feedback: Resolver
 Cooling: Chassis
 Configuration: Single Axis

