



AlphaDrive™

The AlphaDrive is a high performance motor drive specifically developed for universal application to a wide range of motors and power buses. The ONLY drive you'll need for all your AC or DC motors, it's ideal for Automotive, Aerospace and Industrial applications where you have a variety of motors and power systems.

Efficiency

This compact drive features leading edge technology including the current IGBTs and the latest Texas Instruments® digital signal processor. Our energy saving features enables the AlphaDrive to provide the optimum amount of power for your application lowering your overall electrical system power.

Accuracy

Coupled to an easy to mount sensor or standard 3-output Hall effect sensor, the AlphaDrive controls speeds up to 10,000 RPM with 0.1% full scale accuracy. With an optional 4-20mA control signal, speeds can be varied, real time, from 1 to 10,000 RPM .

Ease of Operation

The AlphaDrive is designed for ease of operation making installation easy and simple. Just connect the input and out-put wires and you are ready for operation. No further set-up is required.

Reliability

The AlphaDrive was designed using the fewest components to get the highest power in the smallest package. This robust design is ideal for heavy duty applications where reliability and availability is the highest priority. Discrete I/O and a variety of digital communications can be added as options.

≡ Features

Applications

- AC Motors
- BLDC Motors
- Alternators
- Pumps
- Electric Vehicles

Wide Voltage Input

- 0-160 VDC
- 110-480 VAC

Multiple Buses

- DC
- Single Phase AC
- Three Phase AC

Variable Speeds

- Up to 10K RPM

Wide HP Range

- 1/4—15 HP

Wide Power Range

- 200W—15KW

Discrete I/O

- RUN
- Fault

Compact

- 4" X 8" X 10"

