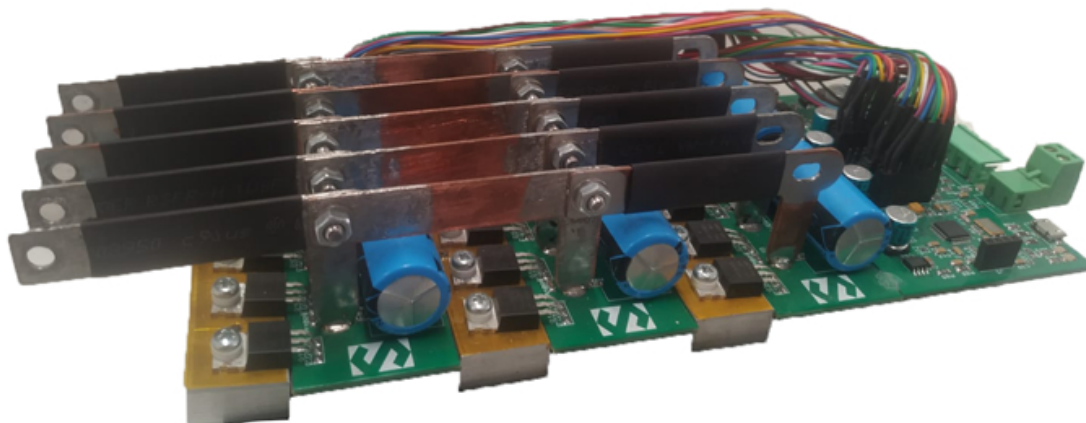

SINUSOIDAL

Magistral Series BLDC Driver, Datasheet



Overview

Magistral series are a high performance, cost-effective, 3 phase BLDC motor drivers. The design of Magistral series drivers is based on advanced DSP technologies with safety measures. Magistrals can provide high tork, low noise, low vibration, PID speed loop, PID tork loop, over curent protection, over load protection and combined with manual control.

Applications

Magistral series drivers can provide wide range of power. The drivers can be used at unmanned autonomous vehicles (Magistral Dual for differential drive of robots), hydraulic pumps, transportation bands and any type of industrial application.

Magistrals utilize user friendly technology for wide range of application. Users can easily integrate Magistrals to PLC applications via ModBUS comminication or robot operating system applications via cumtom HID USB comminication. Magistrals can provide power up to 2.5kW, users can find lower range rated power. Wiring diagram and sizes can changes according to the users desires. The drives are supplied with safety protective box.

Magistral Series BLDC Driver, Datasheet

Key Features

Voltage Range	12-48 Vdc / 12-60Vdc
Current	30A/120A
Motor Drive Type	Trapezoidal
Motor Type	3-Ph BLDC Motor
Motor Hall Sensors	60/120 degrees
Motor Rated Power	up to 2.5kW
Connection/Communication	2-wire/ModBUS or USB HID
0-24V Input	2 bit for star/stop and direction
On Board Speed Control Potentiometer	Yes for speed control
Over Current Protection	Yes
Over Load Protection	Yes
Over Heat Protection	Yes
Speed Range	up to 15000 RPM
Closed Loop Speed or Tork Control	PID controller
Soft Start	Yes

Please visit our store

<https://sinusoidal.com.tr/Store.html>