

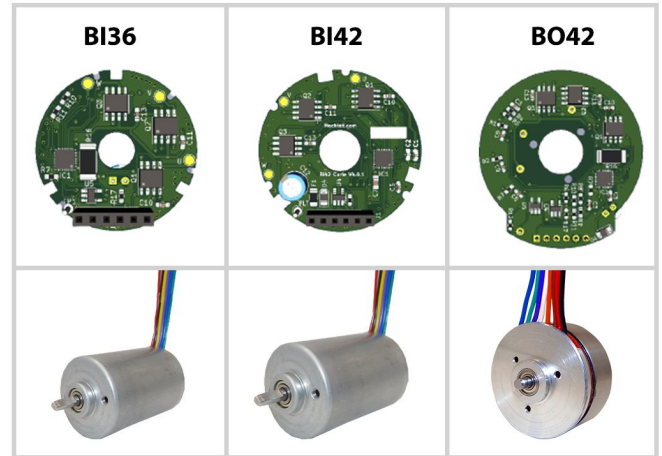
In-built BLDC Driver

8 to 24V, up to 8A

Introduction

The Mechtex brand In-built drivers are Sensor based (120° Trapezoidal Current Control), compact, easy to use, one stop solution for all your commercial and industrial grade motors.

In addition, we also produce a full custom design based on mechanical constraints, power requirements.



Competitive Intelligence

- Compact in-built driver.
- Can be controlled by PLC, PC Software, Microcontroller or any other device with simple PWM input.
- Protective features such as Over current, Over voltage, Under voltage protection, Reverse polarity.
- In Speed Control direction can be changed by connecting DIR pin to GND pin of driver.
- External Analog to PWM module available to control Speed using Analog Input.
- IEC 61000-4-2 compliance on request.

Electrical Connections

Pin #	Function	Color	Description
1	VM	Red	DC Supply +VE (8 to 27V)
2	GND	Black	DC Supply -VE
3	PWM	Yellow	Speed control input, 1kHz - 200kHz VILMAX = 0.8V, VIHMIN = 1.6V
4	BRAKE	Purple	High / Open ▶ Run, Low ▶ Stop, Default = Open
5	FGO	Blue	Rotation Speed output = (3 X No of Poles) Pulses per Rotation
6	DIR	Green	High / Open ▶ CW, Low ▶ CCW, Default = Open

Specifications

Parameters	Value
Rated Output Power	100W
Max. Output Power	200W
Voltage Range	8V to 27V
Max Current	Up to 8A
Commutation	120° Trapezoidal
PWM Frequency	Max 200 kHz
Max. Efficiency	80 %