



DAC243

Dual AC Drive
24V 300 AMPS

Product Highlights

- Controls various types of AC Motors
- Multiple speed sensor configuration



General Features

- AC, PMAC (IPM, SPM), BLDC motor compatible
- Controls independently 2 motors
- Control motor brake
- Absolute Sin Cos sensor inputs
- Encoder X Y Z sensor inputs

TRIONIC
vehicle controls

Technical Data

Power Supply	24V	16 to 33 Vdc	Under and Over Voltage shutdown Reverse battery protected
Continuous current	300A		Current limit protects motor
Peak current	500A		Protected from power wiring errors
PWM Frequency	10 KHz		
ON/OFF power outputs	2	3A	Automotive spec. protected drivers
Digital inputs	2	1.25KΩ	Low impedance eliminates moisture problems
Analog inputs	1	0-5 Vdc	Protected from wiring errors
Configurable digital I/O	1		
Water proof	IP67		
Ambient working temperature	-40 to +50°C		Controller must be mounted to vehicle frame to provide heatsink
Overall Dimensions	7.6" x 8.75" x 2.7" 192 x 222 x 68 mm		L x W x H

Left motor plug			
Sensor supply	2	12V & 5V	
ON/OFF power outputs	1	3A	Automotive spec. protected drivers
Digital inputs	3	X Y Z	Low impedance eliminates moisture problems
Analog inputs	3	Sin, Cos, Temp	0-5 Vdc, protected from wiring errors

Right motor plug			
Sensor supply	2	12V & 5V	
ON/OFF power outputs	1	3A	Automotive spec. protected drivers
Digital inputs	3	X Y Z	Low impedance eliminates moisture problems
Analog inputs	3	Sin, Cos, Temp	0-5 Vdc, protected from wiring errors

EUROPE
Trionic Mobility Systems, SAS

AMERICAS
PG Trionic, Inc.

ASIA
Trionic Shenzhen Ltd.

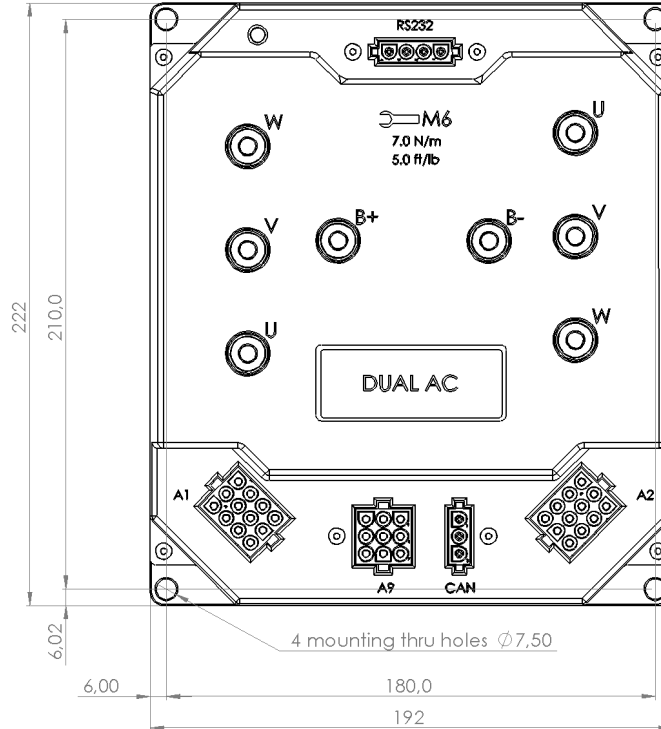
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Dimensions



Overall Dimensions
7.6 max" x 8.75 max" x 2.7"
192 x 222 x 68 mm

Mounting Instructions

To achieve full power capability, The DAC243 control module base plate should be bolted to a large metal part of the chassis with 4 of M6 x 17mm (min) Bolts.