


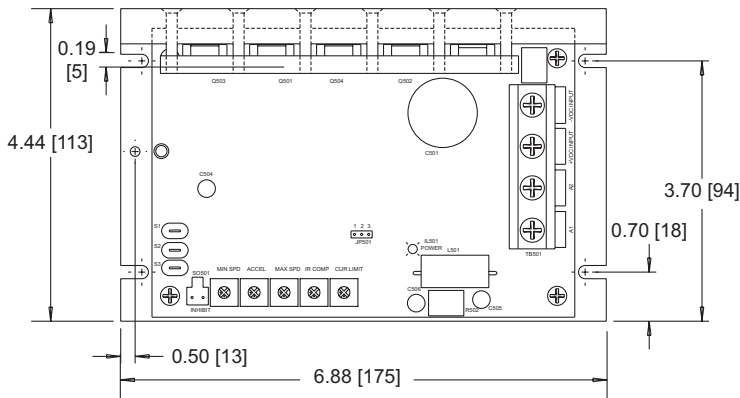


Drive	Input Voltage Range (VDC)	Output Voltage Range (VDC)	Cont. Armature Current	1 Min Peak Armature Current	HP Rating @ Low VDC Output	HP Rating @ High VDC Output	Enclosure	Reversing *****	Field Supply (VDC) *****	UL Listed 	CSA 	CE TUV 
DC16-12/24	10 - 32	Up to 95% of input	16	-	1/20 - 1/5	1/10 - 2/5	CHASSIS	-	-	YES	-	-
DC60-12/24	10 - 32	Up to 95% of input	60	-	1/8 - 3/4	1/4 - 1 1/2	CHASSIS	-	-	YES	-	-
DC60-36/48	32 - 50	Up to 95% of input	60	-	1/2 - 2 1/4	1/2 - 3	CHASSIS	-	-	YES	-	-

\*\*\*\*\* See regenerative drives in Section D for PWM drives that can reverse on-the-fly.

### DC16-12/24 DIMENSIONS



Height: 1.00 [25]  
All dimensions in inches [millimeters]

Dimensions of drives not shown above can be found on page 59.  
Wiring diagrams can be found on page 68.

### FEATURES

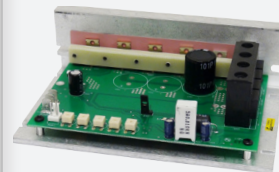
- **Low voltage motor operation:** Designed for 12, 24, 36 and 48 VDC motors.
- **Speed range, regulation, & form factor:** 1% regulation with a 80:1 speed range and a 1.01 form factor over the entire range.
- **User adjustable calibration pots:** Minimum Speed, Maximum Speed, Current Limit, IR Compensation and Acceleration.
- **Diagnostic LEDs:** Power.
- **Stopping modes:** Inhibit (N.O.) for coasting to a stop.
- **Spade terminals and screw terminal block:** Quick and easy connections.
- **DC input voltage:** Accepts DC input and outputs DC voltage up to 95% of the input with near perfect form factor.
- **One drive for two motor voltages:** On board jumper to select 12 or 24VDC motor (36 or 48VDC on some models).
- **Ideal for battery powered equipment:** Maintains both set and/or variable speed control even as battery voltage declines. Extends total running time of equipment.
- **Accessories:** 201-0024 inhibit plug with 18" leads.
- **RoHS:** All DC16 and DC60 series models are RoHS compliant.

The DC-DC Family are DC in / DC out PWM chassis drives. These feature rich drives include inhibit for remote starting and stopping, a power LED, and trimmer pot adjustments for minimum speed, maximum speed, acceleration, IR comp, and current limit. All trimmer pots are non-interactive making calibration quick and easy.

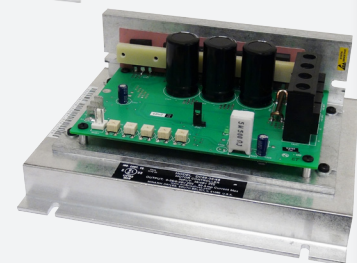
The DC-DC Family is available in three sizes: 16A and 60A units for 12 or 24 VDC motors and a 60A unit for 36 or 48 VDC motors. Perfect for use with battery-powered equipment, the DC-DC Family is able to maintain variable speed control as the battery discharges. This results in an increase in running time of battery-operated equipment. The DC-DC Family is ideal for many types of portable equipment.

The UL approved DC-DC Family comes with an extruded chassis for better heat sink transfer to the heatsink, more bus capacitance to handle ripple currents, and an oversized terminal block that can handle high currents. With 1% speed regulation over an 80:1 speed range, the DC-DC Family is the perfect solution for low voltage, DC-to-DC applications!

See page 53 for an in-depth comparison of the different low voltage drives.



DC16-12/24



DC60-12/24  
DC60-36/48