



# 1224-BLS

## BRUSHLESS SERVOMOTOR DRIVE

### Performance Characteristics

Peak Power	7.2 kW
Peak Output Voltage	± 300 VDC (shut off @ 450 VDC)
Peak Output Current	± 24 amps (1 sec.)
Max. Continuous Current	± 12 amps (50 °C)
Internal Shunt Regulator	110 W continuous, 5.3 kW peak for 0.02 seconds (activates at 400 VDC)

### Electrical Characteristics

Input Signal Voltage	± 10 VDC (typ.), ± 35 VDC (max.)
System Gain	0 to 5100 amps/volt – velocity mode 0 to 10.0 amps/volt – torque mode
Input Impedance	40 k Ohms
Typical Input Drift	10 µV/°C
Bandwidth	2 kHz with 1.2 mH Inductance
Dead Band	Zero

### Input Power Requirements

Input Voltage	50 - 260 VAC, Single phase or three phase
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### Adjustments

Peak Current Limit	0 to 24 amps
RMS Current Limit	0 to 12 amps
Signal Command Input	Scaling
Balance	Zero velocity offset
Compensation	System response
Tachometer	Scaling

### Diagnostics

Bus Over Voltage	Red LED
Excessive RMS/Over Temp.	Red LED
Surge/Ground Fault	Red LED
Amplifier Operational	Green LED

### Physical Characteristics

Module Dimensions (l x w x h)	7.6 in. x 3.2 in. x 5.4 in.
Weight	2.8 lbs
Ambient Temperature	0 °C to 50 °C
Shutdown Temperature	80 °C at heat sink
Relative Humidity	5 - 95% non-condensing