

**Description**

The BSA PWM servo drive is designed to drive brushless DC motors at a high switching frequency. It is fully protected against over-voltage, over-current, over-heating and short-circuits. The amplifier is completely enclosed and utilizes military grade connector interface. BSA interfaces with digital controllers via USB bus for the initial parameters setting. BSA requires unregulated DC BUS input and 28 V for control logic. Loop gain, current limit, input gain and offset are adjusted through USB communication.

**Power Range**

<b>Peak Current</b>	<b>14 A</b>
<b>Continuous Current</b>	<b>12 A</b>
<b>Supply Voltage</b>	<b>60-300 VDC</b>



**Features**

- Optical Isolation Between High & Low Power Signals
- Four Quadrant Regenerative Operation
- Adjustable Current Limits
- Selectable Inhibit/Enable Logic

- Adjustable Input Gain
- Selectable Hall Commutation Phasing
- Hall Velocity Mode
- Selectable Fault Level
- Fault Latching Option

**MODES OF OPERATION**

- Current
- Hall Velocity

**COMMAND SOURCE**

- ±10 V Analog or Digital input

**FEEDBACK SUPPORTED**

- Halls
- Resolver

**AGENCY APPROVALS**

- UL
- CE Class A (LVD)
- CE Class A (EMC)
- RoHS

