



**UL and CE (LVD)**

## OEM Power Supply

The OEM300 Power Module is optimized to provide power for a number of Compumotor OEM Series drives and drive/controllers. The total number of drives is limited by total power demand.

The OEM300 Power Module can operate at 120VAC or 240VAC, at 50/60 Hz. The input voltage is selected by using a jumper on the input terminals. The voltage output of the OEM300 is fixed at 75VDC. It can produce 2.7A continuous and 4.0A peak, and provides power for drive and motors. The OEM300 Power Module contains over-temperature, short circuit protection, internal power dump and overvoltage circuits to provide protection for the Power Module and the equipment it powers.

The OEM300 Power Module is compact. It occupies the space of two OEM drives, and mounts similarly to the drives. Its small footprint conserves space in equipment cabinets. For power supply cooling, the OEM300 uses a heatplate design for efficient heat transfer.

### Features

#### Performance

- Provides power to OEM Series drive and drive/controllers
- Operates at 120 or 240 VAC, 50/60 Hz
- Robust metal frame design
- 2.7A continuous, 4A peak
- Regulated output

#### Protection

- Over-temperature, over-voltage, and short circuit protection
- Internal power dump circuit to dissipate regenerated power from drive

### How Much Power Do I Need?

Motor Size (@75VDC) Size 23		Peak Motor Current	Motor Heat + Avg. Shaft Power	Drive Heat	Supply Total**
OS2HA S	(OEM57-40 S)	2.65A	56 Watts	9 Watts	65 Watts
OS2HA P	(OEM57-40 P)	5.3A	56 Watts	19 Watts	75 Watts
OS21A S	(OEM57-51 S)	3.3A	75 Watts	11 Watts	86 Watts
OS21A P	(OEM57-51 P)	6.6A	75 Watts	25 Watts	100 Watts
OS22A S	(OEM57-83 S)	3.8A	86 Watts	13 Watts	99 Watts
OS22A P	(OEM57-83 P)	7.5A	86 Watts	31 Watts	117 Watts
<b>Size 34</b>					
RS31B P	(OEM83-62)*	4.4A	113 Watts	15 Watts	128 Watts
RS32B P	(OEM83-93)*	5.6A	133 Watts	20 Watts	153 Watts
RS33B P	(OEM83-135)*	6.9A	155 Watts	27 Watts	182 Watts

S: Series Configuration P: Parallel Configuration

\* OEM83 motors are wired internally in parallel

\*\* User must supply this level of wattage

The OEM300 and OEM1000 are each capable of controlling multiple units of the OEM750 or the OEM670/OEM675. The correct sizing of the power supply requires calculation of the peak and average power requirements for each axis of motion.

Servo Systems power demands are typically more dynamic and require calculation to choose the correct power supply. The User Guides for the OEM750 and the OEM670/675 offer complete procedures for selecting the correct power supply. Please contact your ATC or Compumotor's Application Department at 1-800-358-9070 to help calculate your power requirements or download the User Guides from [www.compumotor.com](http://www.compumotor.com).

Quality Products Designed and Priced for OEMs and High-Volume Users. Call 1-800-358-9070.