**STEPPER DRIVE POWER SUPPLY**

**PS300**

**Designed for RTA stepper drives**

- Upto 85VDC @ 8 Amps output
- Internal protection fuse
- Simple design for easy repair
- Small 80 x 110mm footprint
- Screw terminal connections
- Suits HGD and SDC stepper drives

Most of the RTA stepping motor drives such as the GMD, GMH, MIND, HGD and SDC require a high voltage DC power supply. This supply does not need to be regulated and is usually provided by a transformer, rectifier, fuse and capacitor. The low cost PS300 has all this and saves time when constructing small, single or multi axis motion control systems.

The PS300 consists of a high current rectifier bridge, heatsink, smoothing capacitors, fuse, terminals and an indicator LED to dissipate capacitor charge when power is disconnected. All that is required is to add a mains transformer.

**CONNECTIONS**

Continuous development may necessitate changes in specifications without notice.

**AUTOMATED MOTION SYSTEMS PTY.LTD.**

**MAILING ADDRESS:**
P.O. BOX 1240
WANGARA DC
W.A. 6947

**PHONE:** (08) 9309 1896
**EMAIL:** sales@automotsys.com.au
**INTERNET:** http://www.automotsys.com.au

**OFFICE ADDRESS:**
UNIT 2, 7 BARETTA RD.
WANGARA, PERTH
WESTERN AUSTRALIA
SPECIFICATIONS

OUTPUT
24 - 85 VDC @ 8 Amp

INPUT
17 - 60 VAC @ 50/60Hz
(From user supplied isolating transformer)

OPERATING TEMPERATURE
0 - 50°C

WEIGHT
0.25 kg

HEAT GENERATION
10 Watts approx

CAPACITANCE
6600μF

SUITABLE DRIVES
HGD06, HGD04,
HGD06.A, HGD04.A,
SDC06, SDC05, SDC04,
SDC06.A, SDC05.A, SDC04.A
GMD02, GMD03, GMH05, GMH06, GMH07
MIND-B3, MIND-S3

CAPACITOR DISCHARGE TIME
Approx 60 seconds to 12V

DRIVE CURRENT REQUIREMENTS
Current requirements depend on motor size,
rated motor current, duty cycle, load on motor
and motor speed. It is not easily predicted
mathematically. Contact office for assistance.

As a guide, the PS300 can easily power 2 x
HGD06 or GMD02 drives with 34 frame, 2
stack motors running at high load and speed
continuously. If smaller motors are used,
more drives can be powered from a single
PS300.

DIMENSIONS & MOUNTING

TRANSFORMER VOLTAGES

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