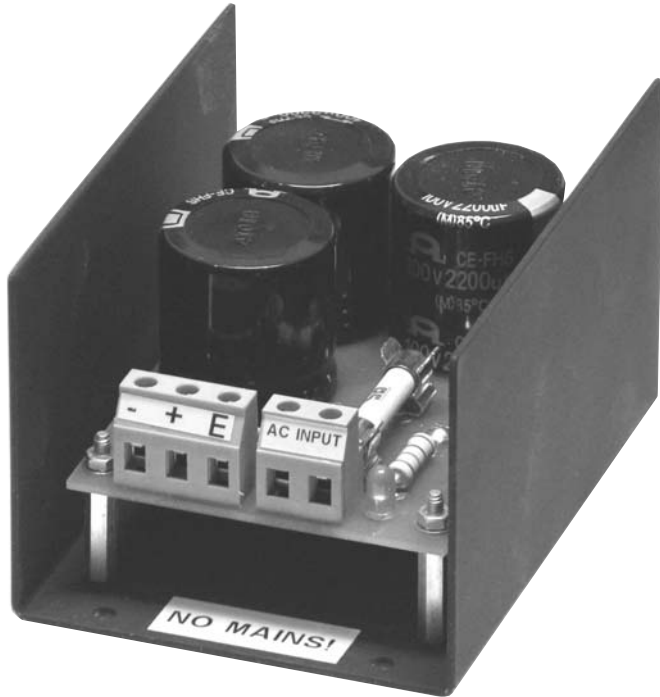


**STEPPER DRIVE POWER SUPPLY
PS300**

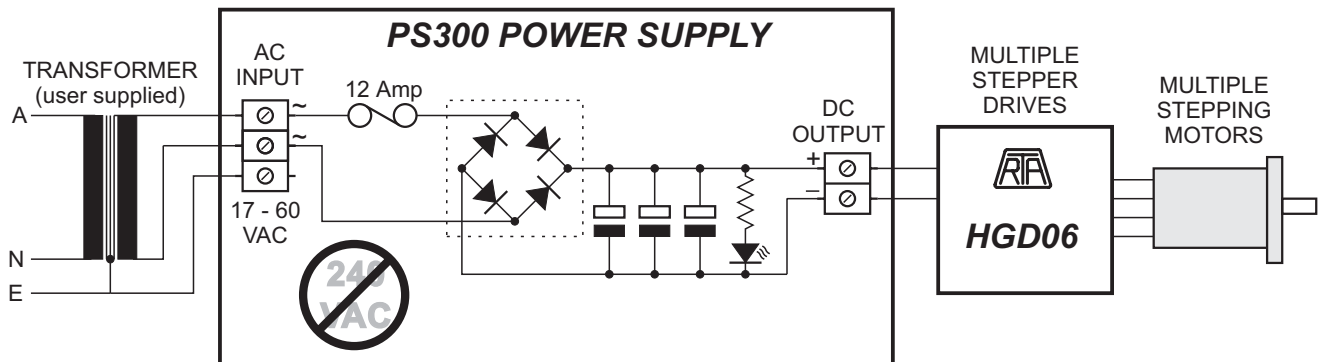


- Designed for RTA stepper drives
- Upto 85VDC @ 8 Amps output
- Internal protection fuse
- Simple design for easy repair
- Small 80 x 110mm footprint
- Screw terminal connections
- Suits HGD and SDC stepper drives

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
FAX: (08) 9309 5671
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

6600 μ F

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

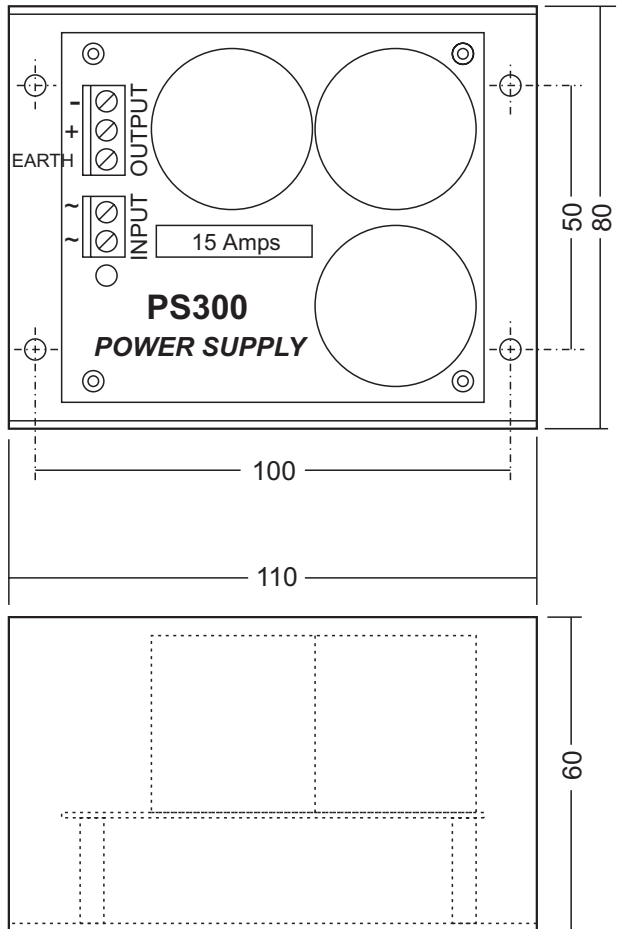
Approx 60 seconds to 12V

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



Mounting Holes 4 x M4



Use isolating mains transformer.

TRANSFORMER VOLTAGES

STEPPER DRIVE	RECOMMENDED DC SUPPLY	MIN DRIVE SUPPLY	RECOMMENDED AC INPUT	MIN AC INPUT
	VDC	VDC	VAC	VAC
HGD04, HGD06	65	32	47	24
HGD04.A, HGD06.A	24	24	18	18
SDC04, SDC05, SDC06	65	32	47	24
SDC04.A, SDC05.A, SDC06.A	24	24	18	18
GMD02, GMD03	85	55	60	40
GMH05, GMH06, GMH07	85	55	60	40
MIND-B3, MIND-S3	85	55	60	40

PS300bk A.B.N.: 94 009 232 535