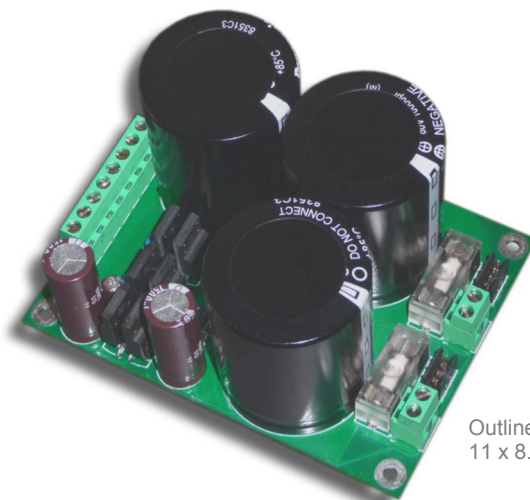


PSACDC18

PSACDC18

General Purpose Linear Power Supply



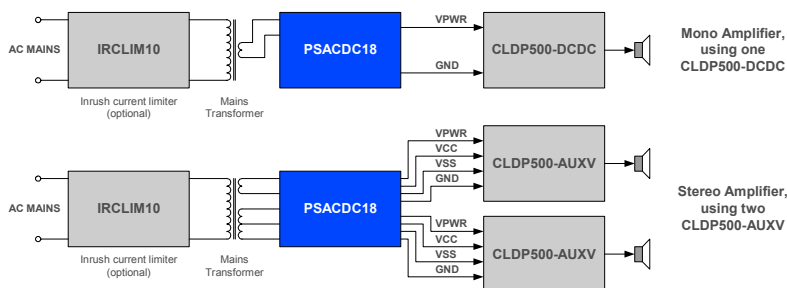
Outline Dimensions:
11 x 8.2 x 5.5 cm

The PSACDC18 is an AC/DC power supply, which comes with an ultrafast bridge rectifier and heavy duty filter capacitors for the main DC output voltage, plus the circuitry to provide regulated auxiliary DC output voltages (+/- 12V).

With an appropriate mains transformer, the PSACDC18 is perfectly suited for end products including one or two audio amplifier module(s) CLDP500. Optionally, the inrush current limiter IRCLIM10 may be used to limit the inrush current of the mains transformer.

Typical Applications

- Mono or stereo power amplifiers with up to 1000W continuous output power, see examples below:



Key Specifications

- Main AC input voltage: 55VAC max. (50Hz ... 60Hz)
- Main DC output voltage: Rectified, filtered and fused main AC input voltage
- Main DC output current: 18ADC max.
- Auxiliary AC input voltages: 2 x 12VAC ... 17VAC (50Hz ... 60Hz)
- Auxiliary DC output voltages: +/-12VDC ($\pm 5\%$)
- Auxiliary DC output currents: +350mADC / -100mADC max.
- Outline dimensions: 110 x 82 x 55mm (w x d x h)

Main Features

- Ultrafast bridge rectifier with soft recovery
- Heavy duty aluminum electrolytic capacitors
- Regulated auxiliary output voltages (+/-12VDC)
- Two separate terminal blocks for straight wiring of two amplifier modules
- Customized designs available, contact Primelec for further information

Ordering Information

PSACDC18 General purpose linear power supply