

#### Introduction

The PS2/163 is a stabilized power supplier designed to supply  $\pm 12.5\text{V}$  d.c. (earth free) at 800 mA to a range of audio apparatus using the BBC binary metric modular chassis system. These units include AM7/12 and AM7/13 audio amplifiers.

The outputs are fully protected against short circuits of unlimited duration. Front panel mounted l.e.d.'s indicate the state of the output positive and negative supplies and the input a.c. supply.

If a maintained supply is required the stabilizers may be driven from an external d.c. source.

The power supplier is mounted in a 2U (88.90mm) high, double width (106.6mm) chassis type CH1/65B.

#### General Specification

Output Voltage	$\pm 12.5$ and $-12.5$ V d.c. earth free
Output Current	800 mA maximum, each supply
Supply Voltage	190–260V a.c. 50 Hz
Power Requirement	50 watts a.c.
Hum and Noise	2.8 mV p-p maximum
Regulation (mains variation 190–260V)	100 mV maximum
Output Impedance (d.c. – 100kHz)	200 m $\Omega$ maximum, each supply
Working Temperature	5.45 degrees C
Chassis	CH1/65B
Coding Pin Positions	1,3,15
Weight	2 kilograms (approximately)

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