

# Encoder Power Supply Unit



## Features

A clean source of dedicated power for your encoder is an important factor when designing a reliable system. Now available from British Encoder are small, easily mounted Din Rail power supplies specifically chosen to power encoders. Designed for space efficiency, these compact power supplies are available in 5, 12, or 24 Vcc.

Easy to see LED indicators show the power supply is working properly. Screw type terminals easily accommodate wires from SWG 24 to 14. The shock proof housing is both UL and CE approved.

These supplies have been tested to work with all our Encoders. Save yourself time and money, call British Encoder today and order a power supply that you know will work with your encoder!

## Ordering Information (Specify Order Code when ordering)

<b>EPS-5V</b>	<b>100043</b>
<b>EPS-12V</b>	<b>100044</b>
<b>EPS-24V</b>	<b>100045</b>

## Specifications

### Electrical

Nominal Input Voltage .....	100 to 240 Vac / 47 to 63 Hz
Input Voltage Range.....	90 to 265 Vac / 47 to 63 Hz or 120 to 370 Vcc
Frequency.....	100 kHz min
Inrush Surge Current.....	< 10 A @ 115Vac, < 18A @ 230 Vac
Input Fuse .....	T2A / 250 Vac

	<b>EPS-5V</b>	<b>EPS-12V</b>	<b>EPS-24V</b>
Nominal Output Voltage .....	5 Vcc	12 Vcc	24 Vcc
Tolerance .....	± 1 %	± 1 %	± 1 %
Nominal Output Current .....	3 A	1.5 A	0.75 A
Efficiency .....	> 75%	> 77 %	> 77 %
Ripple and Noise .....	50 mV	50 mV	50 mV

### Mechanical

Dimensions.....	3.54" L x 0.89" W x 4.5" D (90 mm L x 22.5 mm W x 115 mm D)
Connection Type.....	Screw Clamp Connection

### Environmental

Operating Temperature.....	-10° C to +50° C
Storage Temperature.....	-25° C to +85° C
Relative Humidity.....	95 % RH

### Approvals and Standards

UL / cUL.....	UL508 / UL 1310 Listed, Class 2
TUV .....	EN 60950
CE .....	EN 50081-1 / EN 55022 Class B EN 61000-3-2 / EN 61000-3-3 EN 50082-1 / EN 55024
FCC.....	Class B