

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)

EPS-5V	100043
EPS-12V	100044
EPS-24V	100045

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

	EPS-5V	EPS-12V	EPS-24V
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