

DY TECHNOLOGY

Inverter IM-4

Product Data Sheet

Description

IM-4 is a small portable battery pack inverter designed to drive up to 2m (6.6ft) of EL Wire.

Features

- Two operating modes:
Continuous and Blinking
- Portable
- Battery operated by 2 x AA 1.5VDC
- Low power consumption.
- Low audible noise
- CE approved
- LED Power on indicator

Applications

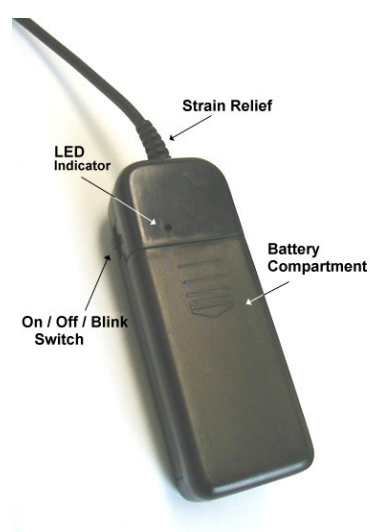
- Do it yourself
- Home decoration
- Car decoration
- Improves visibility for night jogging
- Home made signs
- Party and event centerpiece

Mechanical Specifications

Dimensions (LxWxH):	87 x 33 x 19 (mm) 3.4 x 1.3 x 0.7 (inch)
Weight:	80 g (with batteries)
Operating Temperature:	-10 ÷ 60 (°C)
Storage Temperature:	-20 ÷ 65 (°C)
Relative Humidity:	70% RH

Electrical Specifications

- Input Voltage:	2.5 – 3.2 (VDC)
- Battery Type:	2 x AA 1.5 (VDC)
- Input Current Range (with load):	70 - 165 (mA)
- Output Frequency:	3.1 – 5.3 (kHz)
- Output Voltage Range:	82 - 120 (Vrms)
- EL Wire Length:	0.5 - 2 (meter)
- Battery Lifetime for 1.2m Wire (Operating on Alkaline batteries):	104 hours – blinking 30 hours – continuous



Input Voltage	EL Wire Length		Input Current	Output Voltage	Frequency
	[VDC]	[m]			
2.5	0.5	1.6	70	99	5.0
2.5	1.0	3.3	90	93	3.7
2.5	2.0	6.6	120	82	2.8
3	0.5	1.6	95	120	5.0
3	1.0	3.3	120	112	3.9
3	2.0	6.6	155	95	2.9
Tolerance	± 2%		± 10%	± 5%	± 8%

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