

DY TECHNOLOGY

Inverter IM-2A

Product Data Sheet

Description

IM-2A is a small portable battery pack inverter designed to drive up to 4m (13ft) of LyTec 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

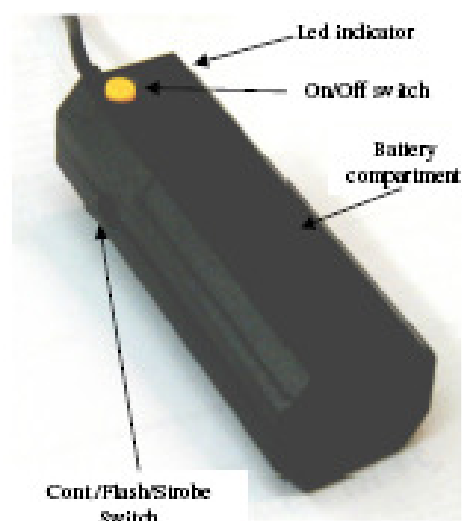
- Do it yourself
- Home decoration
- Garment decoration
- Improves visibility for night jogging
- Home made signs
- Party and event centerpiece

Mechanical Specifications

Dimensions (LxWxH): 100 x 35 x 20 (mm)
3.9 x 1.4 x 0.8 (inch)
Weight: 95 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): 110 - 245 (mA)
- Output Frequency: 1.7 – 3.1 (kHz)
- Output Voltage Range: 84 - 136 (Vrms)
- LyTec fiber Length: 1.0 – 4.0 (meter)
- Battery Lifetime for 2.5m Wire
(Operating on Alkaline batteries): 60 hours – blinking
24 hours – continuous



Input Voltage	LyTec Length		Input Current	Output Voltage	Frequency
[VDC]	[m]	[ft]	[mA]	[Vrms]	[kHz]
2.5	1.0	3.3	110	105	3.1
2.5	2.5	8.2	160	95	2.2
2.5	4.0	13.1	190	84	1.7
3	1.0	3.3	125	136	3.1
3	2.5	8.2	200	122	2.2
3	4.0	13.1	245	109	1.7
Tolerance	± 2%		± 7%	± 5%	± 5%

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