



SPEC SHEET: MONDO & MONDO HP 12V ELECTROLUMINESCENT INVERTER

The Mondo Electroluminescent Inverter is an ideal inverter to power many types of Electroluminescent material; VynEL™ Lighting, EL Wire, EL Panels, EL Tape, and EL Paint. The compact design allows for a multitude of mounting locations, and the heat-sinked casing allows for 24/7 operation in many dry environments. This inverter allows seamless powering of many types of Electroluminescent material at its optimal brightness.

NOTES: Split EL Tape and some EL Wire (other brands) may not be compatible with this inverter.

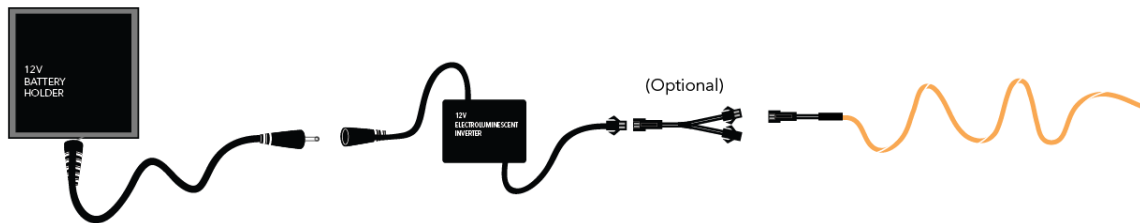
The Mondo HP (High Powered) is a specialized inverter meant to deliver maximum brightness with Organic VynEL, and TruEL Wire. When using this inverter under normal operation, you can expect brighter results than common EL Wire or panels. **NOTE:** Mondo HP is ONLY recommended for Organic VynEL and TruEL Wire. Using with standard EL Wire or EL Panels can cause irreparable damage.

SKU	SIZE	OUTPUT VOLTAGE	OUTPUT FREQUENCY	RECOMMENDED LOAD	INPUT VOLTAGE	POWER CONSUMPTION
EOE271	48x82x35mm	80-130V ~AC	800-1200Hz	60-180sqin	12V DC	6W (~0.5A)
EOE371	48x82x35mm	170-210V ~AC	1700-2100Hz	15-60sqin	12V DC	12W (~1A)

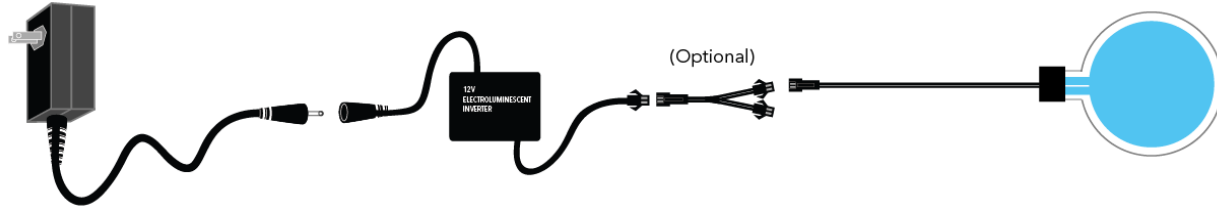
OPERATION

This inverter has two modes; constant on, and Flash (Blink). The 3-way ON/OFF/FLASH switch can be activated by moving the switch in the middle to the ON position. The luminance knob on the left will increase or decrease brightness and hold its state until the knob is moved again. Moving the switch all the way to the left will enable the Flash (Blink) mode. Using the knob on the right will allow you to increase or decrease the blink speed. Moving the switch all the way to the right will turn OFF the inverter.

BATTERY OPERATION



WALL (AC) OPERATION



MIN & MAX LOADS

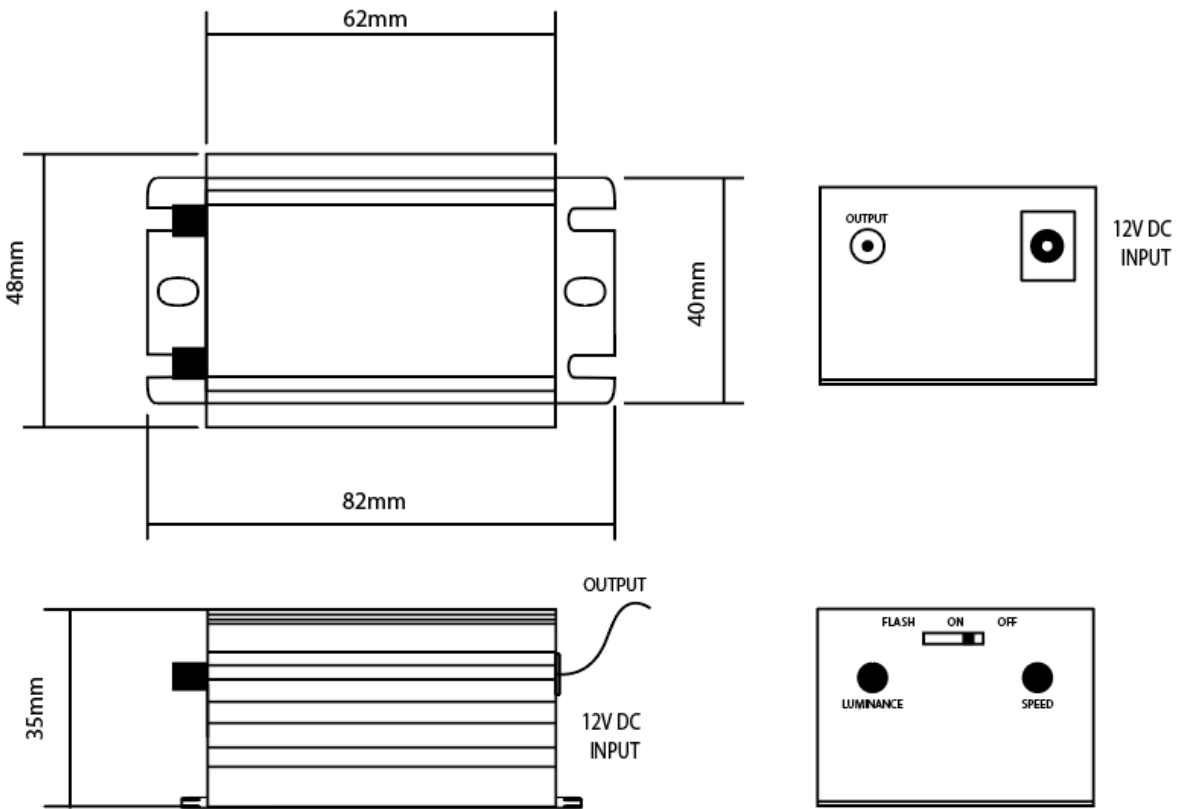
While these inverters is capable of a wide range of Electroluminescent devices, we recommend working within the following parameters with each of these Electroluminescent devices for best results.

INVERTER	EL Wire	Eco-EL Wire	SewGlo™ Thread	EL Panels	VynEL™ Panels	TruEL™ Wire
EOE271	15-50ft*	30-100ft*	50-300ft*	60-180sqin	60-180sqin	6-30ft
EOE371	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED	300-600sqin	6-30ft



***EL Wire and Eco-EL Wire is susceptible to irreparable damage to the EL Wire if the TOTAL length of EL Wire is far below the rated wire length. This is because EL Wire products cannot handle the same driving conditions that other EL products can, and the inverter is trying to push more current through the device in order to power more surface luminance.**

DRAWING



FAQ

- What size is the input connector inverter?
This inverter takes a standard 2.1mm x 5.5mm DC Male Connector which is found on most 12V or 24V DC Power supplies
- What is the inverter actually doing?
The inverter is taking a 12V DC Input and increasing the voltage and frequency to somewhere around 100V and 1000Hz. Each inverter will be load dependent, meaning the voltage and frequency are different depending on how much VynEL™ Panels, EL Wire, EL Tape, EL Panels, etc. are attached to the inverter?
- Is the brightness adjustable?
Yes, brightness is adjusted through the dimming control knob located on the side of the device. **PLEASE USE CAUTION WHEN ADJUSTING EL WIRE - ADJUST KNOB SLOWLY TO AVOID BURNING OUT EL WIRE PREMATURELY**
- Can this inverter be used in automotive use?
Yes, this is a great all in one unit made for many different areas of installation, including automotive. We highly recommend mounting the inverter using rubber grommets and/or other methods of decreasing road vibration for best results. For automotive applications that only have 12V on board, we recommend using a 12v Voltage Regulator for best results..
- Can I use this inverter for signage?
YES! What's great about this inverter is it was designed for a wide range of operation, from signage, stage, retail, commercial, residential and more.