



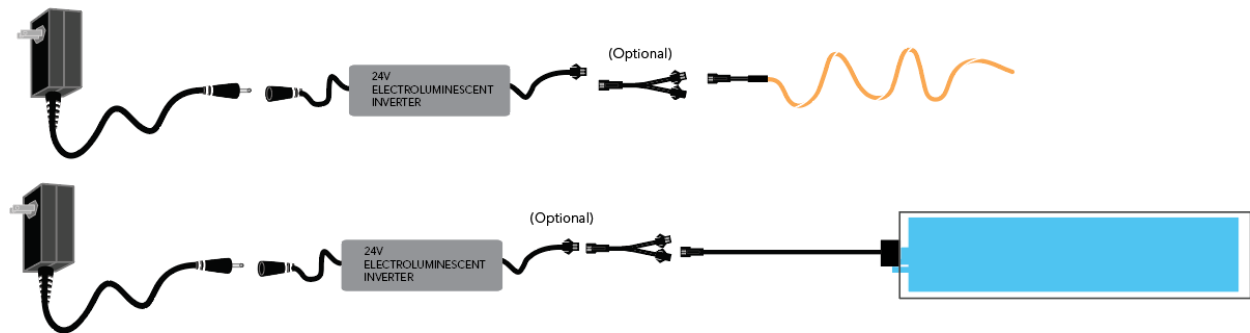
SPEC SHEET: MARKET ELECTROLUMINESCENT INVERTER

The Market 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. Using this product with TruEL™ Wire will not operate at optimal brightness.

SKU	SIZE	OUTPUT VOLTAGE	OUTPUT FREQUENCY	RECOMMENDED LOAD	INPUT VOLTAGE	POWER CONSUMPTION
EOE277	6.2x1.9x1.35"	80-130V ~AC	600-1100Hz	300-600sqin	12V DC	35W (~3A)
EOE287	6.2x1.9x1.35"	80-130V ~AC	600-1100Hz	300-600sqin	24V DC	35W (~1.5A)

OPERATION



MIN & MAX LOADS

While this inverter 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	EL Panels	VynEL™ Panels	EL Paint	SewGlo™ Thread
EOE284	200-400ft*	300-600ft*	300-600sqin	300-600sqin	100-300sqin	NOT RECOMMENDED
EOE283	200-400ft*	300-600ft*	300-600sqin	300-600sqin	100-300sqin	NOT RECOMMENDED

***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.**



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 or 24V 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 the 12V Market Inverter with 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.