



SPEC SHEET: 24V DC COMMERCIAL ELECTROLUMINESCENT INVERTER

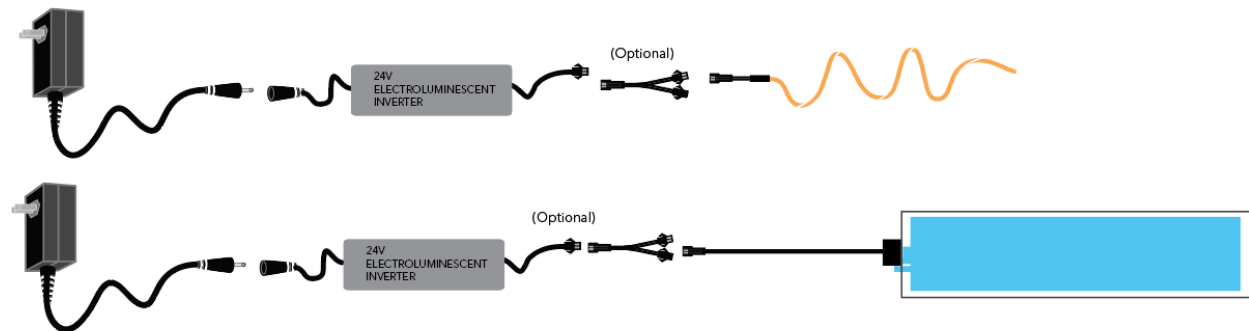
The 24V DC Electroluminescent Inverter is an ideal inverter to power many types of Electroluminescent material; VynEL™ Lighting, EL Wire, TruEL™ Wire, EL Tape, and EL Paint. The compact design allows for a multitude of mounting locations, and the heat sinked casing allows for 24/7 operation in many dry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

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

CAUTION: WHEN USING THIS PRODUCT WITH ELLUMIGLOW EL WIRE OR ECO-EL WIRE, DO NOT TURN BRIGHTNESS KNOB PAST THE LINE DRAWN ON THE LUMINANCE ADJUSTMENT KNOB! DOING SO CAN CAUSE IRREPARABLE DAMAGE TO THE EL WIRE.

SKU	SIZE	OUTPUT VOLTAGE	OUTPUT FREQUENCY	RECOMMENDED LOAD	INPUT VOLTAGE	POWER CONSUMPTION
EOE283	7.6x1.9x1.35"	170-210V AC	1800-2400Hz	150-300sqin	24V DC	40W (1.6A)
EOE284	6x1.9x1.35"	170-210V AC	1800-2400Hz	75-150sqin	24V DC	20W (0.83A)

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	TruEL™ Wire	VynEL™ Panels	EL Paint	EL Panels
EOE284	100-200ft*	150-250ft*	75-150ft	75-150sqin	50-100sqin	NOT RECOMMENDED
EOE283	200-400ft*	225-500ft*	125-300ft	150-300sqin	100-200sqin	NOT RECOMMENDED

***EL Wire and TruEL Wire is susceptible to irreparable damage to the EL Wire if the luminance adjustment knob is turned past the safe line, on the inverter. This is because EL Wire products cannot handle the same driving conditions that other EL products can.**



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 24V DC Power supplies
- What is the inverter actually doing?
The inverter is taking a 24V DC Input and increasing the voltage and frequency to somewhere around 200V and 2000Hz. Each inverter will be load dependent, meaning the voltage and frequency are different depending on how much VynEL, EL Wire, Tape, 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 USING EL WIRE TO NOT ADJUST PAST THE MAX LINE ON THE INVERTER**
- 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 12-24V Step Up Converter.
- 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, retail, commercial, residential and more. Using for TruEL Wire, and VynEL products will increase the brightness over common EL Wire or EL Panel operations.