

Californeon, Inc. offers a line of power supplies (inverters) that change DC voltage to an appropriate AC voltage and frequency to light **FLATLITE®**. Traditional electroluminescent (EL) power supplies must be closely matched to the size of EL lamp in order to maintain consistent brightness from one size lamp to another. Our advanced DC power supplies are load independent, and thus maintain consistent brightness regardless of load. Additionally, like our AC Power Supplies, the DC Supplies will actively compensate for the normal, slow dimming that occurs in all EL lamp over time by increasing voltage from the initial setting. This compensation increases the 'useful' life of the lamp.

### RATINGS:

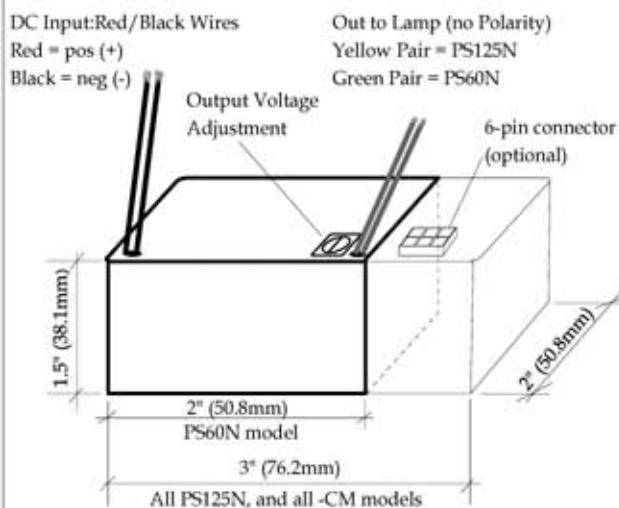
- √ **INPUT VOLTAGE:** 12 or 24 Volts DC (Vcc) (ranges 11 - 15, 22 - 30 respectively).
- √ **OUTPUT VOLTAGE:** Adjustable from 100 to 300VAC, at 650Hz via trim potentiometer.

### FEATURES:

- √ Electronic open circuit & short protection
- √ Compatible with our dimming & flashing control modules (order option -CM)
- √ Auto Limiting Output \*
- √ Active Brightness Compensation

Inverter Model	LAMP LOAD RATING*		L		W		H		Weight
	Sq in	Sq cm	in	mm	in	mm	in	mm	grams
<b>PS60N</b>	<b>5-60</b>	<b>32-387</b>	2	50.8	2	50.8	1.5	38.1	204
<b>PS125N</b>	<b>15-125</b>	<b>96-806</b>	3	76.2	2	50.8	1.5	38.1	375

\* This Power Supply is self limiting and is designed to operate safely with the unit surface temperature not exceeding 70°C (158°F) at maximum voltage and maximum load. It is recommended that the unit be used in an unconfined space to allow natural cooling to take place. Exceeding temperature or lamp load ratings will cause the unit to reduce its output voltage and resulting brightness to operate below temperature.



NOT TO SCALE  
lead length approx. 6" (15 cm)

### Safety and Handling Guidelines for FLATLITE®

- Never operate FLATLITE® when in a coil. Unroll first before powering.
- Always consult local electrical codes for wiring or other specifications and regulations.
- Do not step on FLATLITE® during installation. Avoid hard creases.
- Do not install in dry conditions. Do not cut or expose open ends to moisture.
- Do not operate FLATLITE® Lighting Ballasts outdoors unless in a NEMA enclosure.
- In industrial applications, use caution when operating FLATLITE® Lighting Ballasts as they have not been explosion-proof rated by the National Electrical Code (USA, Central and South America), Canadian Standards Association, International Electrotechnical Commission (ATEX-Europe and outside Americas), and Gosstandart (Russia).

"It's not Neon...it's better!"

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