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ISO 9001:2000
ISO 13485:2003
REGISTERED

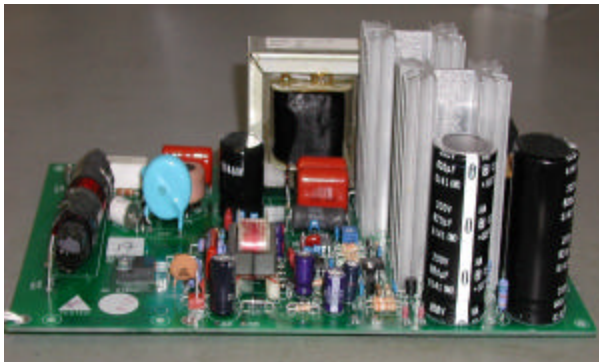
CE100AXE **Power Supply Specification**

The CE100 power supply is designed to run xenon arc lamps in a constant-current mode. The supply is designed to operate xenon arc-lamps in the 100 watt class, including the Cermax 100W and the XBO 100W. The output current is adjustable from 7.0 to 9.0 Amps via a potentiometer on the circuit board. EMI line-filtering is built-in to the unit.

Output power: 80 - 110 Watts, constant current

Output voltage: compliance: 11.0 to 16.0 V operating, >110 VDC during ignition.

Output regulation: output current held to within +/- 5% over all input, output, and environmental conditions.



Output current: 7.0 to 9.0 Adc

Output ripple: <0.4 Ap-p *

Efficiency: >70% at 100 W output, 120 VAC input

Thermal protection: ballast is disabled when temperature exceeds 90 deg C. Unit will automatically restart after cooling down.

Auxiliary output (non-isolated): +12V fan power, 300 mA max.

Ground Leakage: AXE:<300 uA at 136 VAC, <500 ~uA at 265 VAC

Regulatory Compliance: Designed to meet UL2601.

Line Input: 100 - 240 VAC, +/- 10%, 47 - 63 Hz, 2.1 Arms max.

Environmental: 0 deg C to 45 deg C operating.

Altitude: -1000 ft. to 12,000 ft. MSL.

Weight: 2.0 lbs (0.9 Kg).

Dimensions: 9.00" x 5.45", 2.75" tall (229mm x 138mm, 70mm tall).

Ignitor:

25 KV ignition spike. Negative-side ignition.

Minimum repetition rate is 0.8 strikes/second at 90 VAC. Typical repetition rate is 1.2 strikes/second (120 VAC).

Ignition pulses will continue until lamp ignites.

* ripple is measured in a DC to 20MHz bandwidth.

Specifications subject to change without notice.