



221 Corporate Circle, Unit H
Golden, CO 80401
Tel: 303-237-9608
Fax: 303-237-0757
www.carsaneng.com

ISO 9001:2000
ISO 13485:2003
REGISTERED

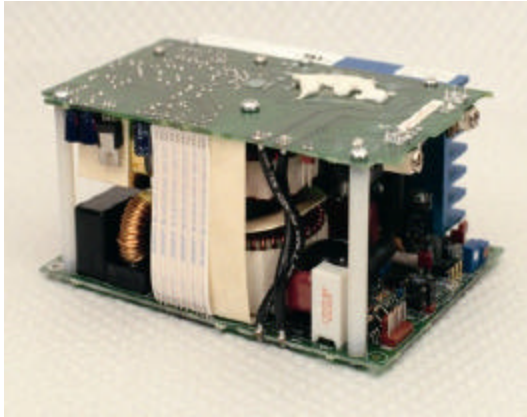
CE300AHX, CE300BHX, and CE300CHX Mercury-Xenon Power Supply Specification

The CE300 power supply is designed to run mercury-xenon arc lamps in a constant-power mode. The output power is adjustable from 270-315 Watts with a built-in potentiometer. EMI line filtering is built-in to the unit. The CE300BHX has smaller Y-capacitors to meet the 100 μ A leakage requirement for many U.S. hospitals.

Output power: 270 - 315Watts, constant power

Output voltage compliance: 20.0 to 25.0 V operating, >110 VDC. during ignition.

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



Output current: 13.0 to 18.0 Adc

Output ripple: <0.7 Ap-p*

Efficiency: >70% at 300 W output, 120 VAC input

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

Isolated Auxiliary output (UL-rated): +12V fan power, 800 mA max.

Optically Isolated Status & Control Connector (UL-rated circuit)

- Remote Enable
- Lamp Lit Status

Ground Leakage:

AXE:	<300 μ A
BXE:	<10 μ A
CXE:	<100 μ A

Regulatory Compliance:

Approved to UL2601 (E177225). Complies with EN55011 Class B Emissions. CE-marked.



Line Input: 100 - 240 VAC, +/- 10%, 47 - 63 Hz, 6.5 Arms max.

Environmental: 0 deg C to 50 deg C operating.

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

Weight: 2.5 lbs (1.14 Kg).

Dimensions: 6.50" x 4.65", 2.80" tall (165mm x 118mm, 71mm tall).

Ignitor:

25 KV ignition spike. Negative-side ignition.

Minimum repetition rate is 10 strikes/second at all input voltages. Ignition pulses will continue until lamp ignites.

Ignitor Life: >500,000 strikes.

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

Specifications subject to change without notice.