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ISO 9001:2000
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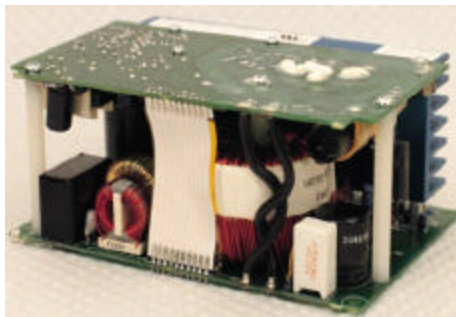
CE181AXE, CE181BXE, and CE181CXE Xenon Power Supply Specification

The CE181 power supply is designed to run xenon arc lamps in a constant-current mode. The supply is approved by Osram to drive the XBO 180W. The output current is adjustable from 11.75 to 12.25 Amps via a potentiometer on the circuit board. EMI line-filtering is built-in to the unit. The CE181BXE is the same as the A-model except it does not have Y-capacitors in the line filter section. The CE181CXE has smaller Y-capacitors to meet the 100 uA leakage requirement of many U.S. hospitals. The unit includes over-power protection that protects the lamp if the lamp voltage becomes too high.

Output power: 110 .210 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 condition



Output current: 11.75 to 12.25 Adc

Output ripple: <0.6 Ap-p *

Efficiency: >72% at 200 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 (isolated): +12V fan power, 500 mA max.

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

- Remote Enable
- Lamp Lit Status

Ground Leakage: AXE: <300 uA at 136 VAC, <500 uA at 265 VAC
BXE: <10 uA at all input voltages
CXE: <100 uA at 136 VAC, <200 uA at 265 VAC

Regulatory Compliance:

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



Line Input: 100 .240 VAC, +/- 10%, 47 .63 Hz, 4.1 Arms max.

Input Surge Current: <30 Amps peak at turn-on, for all input voltages.

Environmental: 0 deg C to 45 deg C operating.

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

Weight: 2.5 lbs (1.14 Kg).

Dimensions: 6.00" x 4.15", 2.90" tall (152mm x 105mm, 74mm tall).

Additional insulation: 0.020" polycarbonate external insulation barrier protects printed circuit boards.

Ignitor: 25 -30 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.