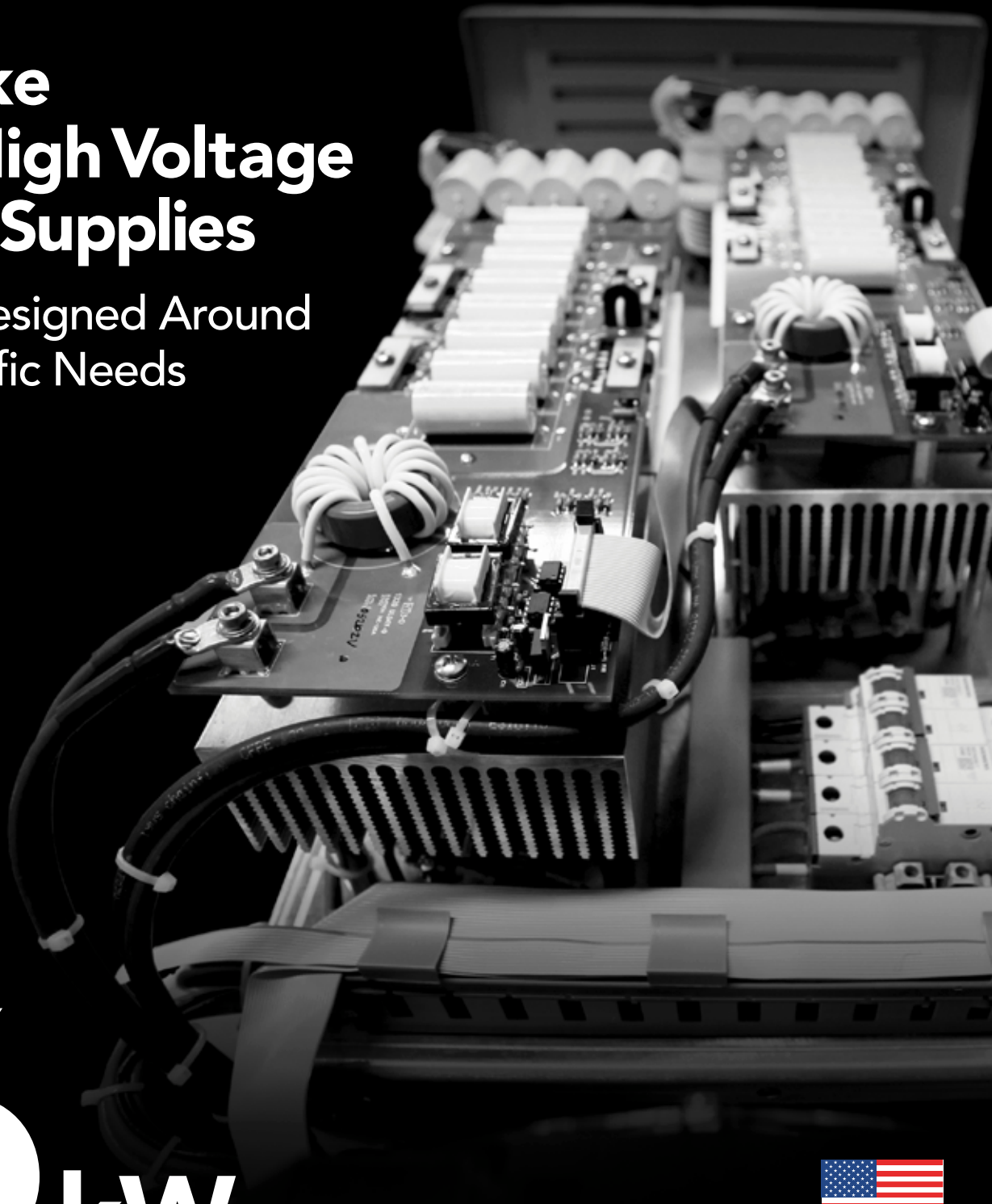


KIMTRON™

Bespoke Ultra High Voltage Power Supplies

Custom Designed Around
Your Specific Needs



16 kW & Beyond



Proudly Made In America

Special Use Application Series

ISO 9001

16kW and Beyond Bespoke Special Use Custom Application High Voltage Power Supplies

Kimtron offers a wide array of choices in there Standard Series, but for customers looking for a unique custom solution, we've got you covered. We can custom designed around your specific needs.

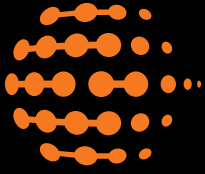
Features:

- 10 - 16kW standard. Higher power levels available upon request
- Based on Kimtron's patented HV Power supply modular building blocks
- X-ray T tube Arc Impervious: Withstands >10 arcs per second at full load.
- Active Filament Management: No filament current overshoot beyond tube limit or emission overshoot during rapid ramp-up.
- Active Power Factor Correction (PFC) >98% @ full load.
- Fastest Rise time available: From zero to full power in > 500ms.
- Superior stability with lowest KV ripple on the market.
- Ultra-sensitive stable mA: Regulation down to 100 micro amps.
- Standard, open source machine-to-machine interface
- Complete stability throughout the entire kV range
- (-) or (+) HV output
- 100% made in the USA

ISO 9001

Industrial, Medical and Security X-Ray Products and Services

KIMTRON.COM 203-262-3361 115 Hurley Road, Bldg. #6 Oxford, CT 06478



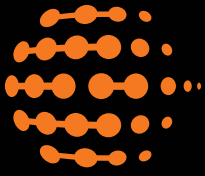
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16kW and Beyond Bespoke Special Use Custom Application High Voltage Power Supplies

| General Specification Range | General Performance Range |
|-----------------------------|---|
| Maximum Power | From 8kW to 16kW+ |
| kV Range | From 20kV to 500kV |
| mA Range | From 10 to 200 (typical) |
| kV Accuracy | ± 0.25% of Demand Value |
| kV Reproducibility | ≤0.01 % of Demand Value |
| High Voltage Ripple | 2% RMS @ Full Load with 10 M HV Cable (typical) |
| mA Accuracy | ± 0.25% of Demand Value |
| mA Reproducibility | ≤ 10 µA |
| Drive Frequency | Auto Variable 48KHz to 62 kHz (typical) |
| Rise Time | Zero to Full Load 200mS |
| Input Voltage | 230V +10/-15% 47-63Hz, single or 3 phase |
| Power Factor | >0.98 |
| Output Connector | Most standards available |
| Dimensions (W x H x D) | 22.25 X 38.25 X 46.0 – W, D, H (typical) |
| Temperature Induced Drift | 30 ppm/°C of output value |
| Storage Temperature | -40° C to + 70° C |
| Operational Temperature | 0°C to + 50°C |
| Relative Humidity | 95% |
| Duty Cycle | 100% |
| Filament configuration | Single or dual - GND potential or HV potential |
| Filament voltage | 9V @ 6A standard, other values available |
| Communications | Modbus (standard) |
| Country of origin | USA |

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KIMTRON™

In 2015 Kimtron introduced the first High Voltage Power Supply (HVPS aka “x-ray generator”) designed from a clean sheet of paper’ and employing state-of-the-art components, in over 30 years. The result was a family of HVPS’s that are technically superior to all competitive offerings. Moreover, the modular approach to the design enables great flexibility when designing new, special purpose HVPS products as standard ‘building blocks’ can be arranged and combined to create new, more powerful devices.

In 2018 the Company was commissioned to develop a line of products designed to “condition” as-new x-ray tubes, which is an electrically violent process requiring an extraordinarily robust HVPS. Having success with our first offering, the world’s largest manufacturer of x-ray tubes standardized on Kimtron products (HVPS’s and tube-coolers). All competitive equipment in their facility has since been replaced by Kimtron equipment.

Reach out to us and let us know your specific needs and requirements



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