

# KEPCO POWER SUPPLIES

Instrumentation, ATE and Process Power Supplies  
and Loads for Science, Industry and Defense



## High Performance power instruments and systems tailored for demanding Scientific, Industrial and Defense Applications

Kepeco fuels innovation and research with power systems designed and built in the US. From the first solid state transistor to today's quantum computers and high power AI platforms. Kepeco's low noise, fast, high reliability power supplies enable major scientific breakthroughs and innovations. From ground breaking chips to the discovery of gravitational waves that was recognized with a Nobel Prize in Physics, Kepeco's power supplies are the "Secret Sauce".



**Break bottlenecks.** Kepeco's fast multi-programmable BOP bipolar power amplifiers are many times faster than legacy SMPS that often constrain the production of microelectronic devices.



BOP's offer the fastest power for testing available. BOP's high bandwidth lets you source and sink high power with precision and speed, reducing test time. Multi-kilowatt BOP systems provide test solutions for devices like AI chips that require higher power. Kepeco's high voltage BHK and BOP-HV power supplies reduce test time for devices that require precise and repetitive power up to 2000 volts to meet safety test requirements.



**Improve Uptime, Increase Yields.** BOP's are designed and manufactured to support 24/7 production, and have a useful life measured in decades. Virtually no planned maintenance or calibration is required. Kepeco's ATE linear power supplies deliver precise, clean, fast power to operate lasers, etching, magnets and precision plating allowing consistent, high quality manufacturing.



**Deliver High Reliability.** Kepeco's power systems run applications that need to operate 24/7, 365 days/year. With 99.9999%+ system availability, these systems run applications like secure satellite down links. Ultra low noise configurations power clear voice communication for applications like air traffic control. The systems don't need to come down for maintenance of the power supplies because the power supplies are hot swappable. The N+1 architecture with active current share reduces the footprint of these solutions to little more than non-redundant supplies.



Multi-channels custom BOP systems are easy to integrate with connectors, power and control interfaces, and cabinetry tailored to fit your application. Perfect for beam steering and magnet control.



**Support Legacy Systems.** TPS Compatible, Plug Compatible Replacements: Kepeco's AC and DC power supplies and electronic loads provide solutions to extend the life of legacy defense systems. Kepeco's TPS and Plug Compatible power supplies provide turnkey, modern alternatives to obsolete and unmaintainable power supplies and loads. Supports C11L, MATE and ABLE: no need to rewrite TPS's.



Kepeco's innovative solutions include adaptations for use in reconfigurable cellular manufacturing or preconfigured for plug-and-play. Scan and find out how Kepeco can provide power solutions to meet your needs.

Don't see what you need? Contact us. We have a huge set of solutions to fit your needs or we can create one. Connect with Kepeco's Applications Engineers to tailor a solution for you.



AN ISO 9001 COMPANY



**KEPCO**<sup>®</sup>  
THE POWER SUPPLIER<sup>™</sup>  
SINCE 1946

MADE  
IN NYC



[www.kepcopower.com](http://www.kepcopower.com)



## Science and Research Power Supplies

Bipolar / Unipolar, beam steering, precision plating



### SERIES BOP High Power

**Bipolar power, d-c and a-c**

**1-7.5Kw, ±0-6Vdc to ± 0-300Vdc**

- Source & sink, 4 quadrant operation.
- Fast analog/digital programming.
- GL option for inductive loads
- 1-6Kw, ±0-10Vdc to ± 0-100Vdc
- Precision stabilization.
- 0.05% source, 0.1% load.
- Built-in arbitrary waveform generator.
- Green recuperative sinking.
- Multi-output - 1 to 12.

[www.kepcopower.com/bophi.htm](http://www.kepcopower.com/bophi.htm)



### SERIES BOP LINEAR

**Bipolar power, d-c and a-c**

**100W, 200W, 400W**

- Source & sink, 4 quadrant operation.
- Fast analog/digital programming.
- GPIB, Ethernet, USB Optional.
- Precision stabilization.
- 0.001% source, 0.002% load.
- Optional optimization for inductive (-L) and capacitive (-C) loads.
- Multi-output - 1 to 12.

[www.kepcopower.com/bop.htm](http://www.kepcopower.com/bop.htm)



### SERIES ATE

**Unipolar power, d-c and a-c**

**50W - 5000W**

- Conventional filtering or high speed mode (up to 1 volt per microsecond), user selectable.
- Precision stabilization.
- 0.001% source, 0.002% load.
- Ultra low noise.
- GPIB, Ethernet, USB Optional.
- Multi-output - 1 to 48.

[www.kepcopower.com/ate.htm](http://www.kepcopower.com/ate.htm)

## Automated Testing Power Supplies and Loads

Accurate, High Throughput Power Supplies



### Multi-output Bipolar Systems

- Eight 400W bipolar linear BOP power supplies. Units are preconfigured for current mode and independent operation.
- Four dual channel 200W/400W bipolar, linear BOP power supplies. Outputs can be configured for series, parallel or independent operation.
- Customizable to customer requirements.

[www.kepcopower.com/custompa.htm](http://www.kepcopower.com/custompa.htm)



### SERIES MST

**d-c programmable system power**

**1800W/rack**

- Plug-in up to 9 units in 4U x 19" rack.
- GPIB, long range serial bus, VXI, Ethernet, USB.
- N+1 redundancy, hot swap capability.
- Precision stabilization
- 0.002% voltage, 0.02% current.
- Multi-output - 1 to 27.

[www.kepcopower.com/mst.htm](http://www.kepcopower.com/mst.htm)



### SERIES KLP/KLR

**voltage, current and power-limited operating boundaries**

**1200W - 2400W**

- GPIB, RS 232 & isolated analog control standard.
- LXI compliant.
- Ethernet, USB control optional.
- True 1U height - full power operation with no spacing between units.
- Multi-output - 1 to 12.

[www.kepcopower.com/klp.htm](http://www.kepcopower.com/klp.htm)



### SERIES BHK-MG

**Programmable high voltage power, d-c and a-c**

**40W - 1kW**

- Bidirectional power for fast, high voltage safety testing (Nemko, Demko)
- Sinking multiples throughput, reduced cycle time.
- Keyboard controlled, GPIB remote digital programming / fast analog programming.
- 0 - 300V, 0 - 500V, 0 - 1000V, 0 - 2000V.
- Precision stabilization:
- 0.005% voltage, 0.015% current.
- Multi-output - 1 to 12.

[www.kepcopower.com/bhkmg.htm](http://www.kepcopower.com/bhkmg.htm)



### SERIES EL

**d-c electronic loads**

**500W - 90kW**

- Complete turnkey systems.
- User configurable.
- Up to 600 Amperes/Module.
- Constant E, I, P, I/E, E/I.
- Air Cooled.
- Single & Multi-Channel Models.
- Up to 16 Channels.
- USB, Ethernet, GPIB.

[www.kepcopower.com/el.htm](http://www.kepcopower.com/el.htm)

## General Process Power - Semi F-47 compliant

Ultra Reliable, Fault Tolerant Power Supplies

### Ultra reliable, fault tolerant



### SERIES HSF

**d-c plug-in hot swappable power**

**50W - 1500W**

- Wide range a-c input with PFC.
- Built-in isolation diodes for hot swap.
- Current share for N+1 redundancy.
- Mount 4-8 abreast in 3U x 19" housing.
- Mount 4 abreast in 1U housing.
- Systems to 60kW, 6kW per drawer.

[www.kepcopower.com/hsf.htm](http://www.kepcopower.com/hsf.htm)



### SERIES HSP

**d-c plug-in hot swappable power**

**1000W - 1500W**

- Wide range a-c input (1000W models).
- Power Factor Correction.
- Current share for N+1 redundancy.
- Mount 3 abreast in 3U x 19" housing.
- Systems to 45kW, 4.5kW per drawer.

[www.kepcopower.com/hsp.htm](http://www.kepcopower.com/hsp.htm)

### Fixed and Programmable Process Power



### SERIES AE/AEK/HWS

**d-c modular power**

**300W - 3000W**

- 0 - 600V outputs.
- Zero up and I<sup>2</sup>C programming.
- Assembled to order; multi-output assemblies.
- DIN rail and customized mounting.

[www.kepcopower.com/ae.htm](http://www.kepcopower.com/ae.htm)

[www.kepcopower.com/ae.htm](http://www.kepcopower.com/ae.htm)

[www.kepcopower.com/hws.htm](http://www.kepcopower.com/hws.htm)



### SERIES RTW

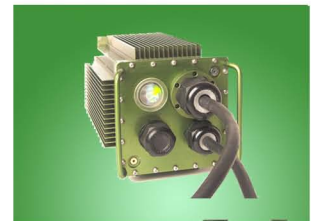
**d-c modular power**

**50W - 300W**

- Wide range a-c input with active PFC.
- Low profile, optional cover factory installed.
- FCC Class B conducted and radiated emissions.
- Assembled to order; multi-output assemblies.
- DIN rail and customized mounting.
- 3.3V - 48V output.

[www.kepcopower.com/rtw.htm](http://www.kepcopower.com/rtw.htm)

### Explosive/harsh environments. Clean rooms



### SERIES KHx

**d-c modular power**

**50W - 30kW**

- Explosion-proof.
- Fault Tolerant, Redundant. Hot swappable.
- No system downtime for maintenance.
- Dusty, wet environments.

[www.kepcopower.com/khx.htm](http://www.kepcopower.com/khx.htm)

**MADE IN NYC**



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