

# BETTER BOP:

# NEW! BOP E SERIES now controlled from Ethernet/LAN



Kepco's new BOP-E Series of Ethernet-controlled 100W, 200W and 400W BOP linear bipolar power supplies deliver fast, ultra quiet and clean bipolar power.

Kepco's BOP-E's models can be controlled from anywhere over Ethernet or LAN.

Communication is either through a web page or by using SCPI commands via LabView and Telnet.

Available in inductive and capacitive load optimized versions

The BOP-E is the newest addition to Kepco's line of Ethernet/LAN controlled power supplies and electronic loads.

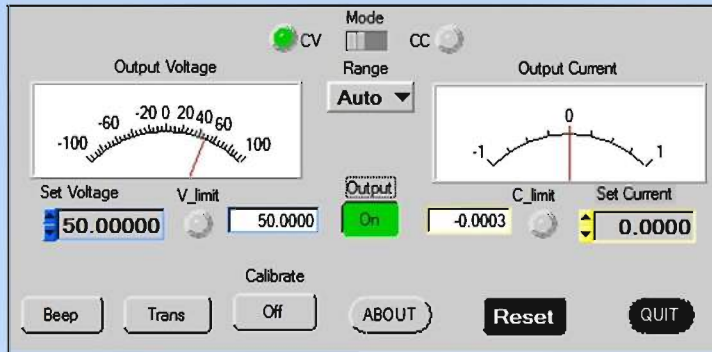
- KLP-E 1200 watt, IU unipolar power supplies
- KLR-E 2400 watt, IU unipolar power supplies
- KLN-E 750-15,000 watt unipolar power supplies
- EL-E electronic load, from 1 to 50KW

More Information: [www.kepcopower.com/prod-e.htm](http://www.kepcopower.com/prod-e.htm)

## FEATURES

- True 4-Quadrant Programmable Voltage and Current Power Supplies.
- 14 Standard Models:
  - = 0-5 Volts to  $\pm$  0-200 Volts
  - = 0-5 Amps to  $\pm$  0-30 Amps.
- Dual-range 16-bit interface provides 15 bits of resolution for both full and quarter scale of output
- Setup using a web page.
- Power supply control via web pages and socket interfaces.
- Arbitrary waveform generator supporting multiple dwell times from web page or driver calls.
- Labview G and C drivers
- LXI Version 1.4 Compatible.
- Soft Calibration.
- Inductive and Capacitive load optimized versions.
- EPICS Driver (Linux Compatible).





Full control of BOP 100-1-802E via Ethernet using soft panel included with LabWindows 2013 driver.

- Power supply control via web pages and socket interfaces.
- Discovery: MDNS (Bonjour -like the printer discovery) and VXI-11 (National Instruments Ni Max, Agilent Io controller)
- IP address support: DCHP, AUTOIP and Static IP (using Web Page)
- Connections: SOCKET @ port 5025 and TELNET @ port 5024
- Connection throughput: 25 milliseconds



BOP E SERIES 100W, 200W, 400W MODEL TABLE								
MODEL (2)	d-c OUTPUT RANGE		CLOSED LOOP GAIN		OUTPUT IMPEDANCE			
	E <sub>0</sub> MAX.	I <sub>0</sub> MAX	VOLTAGE CHANNEL G <sub>V</sub> (VV)	CURRENT CHANNEL G <sub>I</sub> (AV)	VOLTAGE MODE		CURRENT MODE	
					SERIES R	SERIES L	SHUNT R	SHUNT C
<b>100 WATTS</b>								
NEW BOP 5-20DL-802E <sup>(1)</sup>	0 to ±5V	0 to ±20A	0.5	2.0	10μΩ	4μH	5kΩ	20.0μF
BOP 20-5D-802E	0 to ±20V	0 to ±5A	2.0	0.5	80μΩ	20μH	40kΩ	0.05μF
BOP 50-2D-802E	0 to ±50V	0 to ±2A	5.0	0.2	0.5mΩ	100μH	50kΩ	0.05μF
BOP 100-1D-802E	0 to ±100V	0 to ±1A	10.0	0.1	2.0mΩ	200μH	100kΩ	0.05μF
<b>200 WATTS</b>								
NEW BOP 5-30D-802E <sup>(1)</sup>	0 to ±5V	0 to ±30A	0.5	3.0	10μΩ	10μH	5kΩ	25.0μF
BOP 20-10D-802E	0 to ±20V	0 to ±10A	2.0	1.0	40μΩ	50μH	20kΩ	0.05μF
BOP 36-6D-802E	0 to ±36V	0 to ±6A	3.6	0.6	120μΩ	50μH	36kΩ	0.03μF
BOP 50-4D-802E	0 to ±50V	0 to ±4A	5.0	0.4	0.25mΩ	100μH	50kΩ	0.02μF
BOP 72-3D-802E	0 to ±72V	0 to ±3A	7.2	0.3	0.48mΩ	200μH	72kΩ	0.05μF
BOP 100-2D-802E	0 to ±100V	0 to ±2A	10.0	0.2	1.0mΩ	200μH	100kΩ	0.03μF
BOP 200-1D-802E <sup>(1)</sup>	0 to ±200V	0 to ±1A	20.0	0.1	4.0mΩ	1.2mH	200kΩ	0.03μF
<b>400 WATTS</b>								
BOP 20-20D-802E	0 to ±20V	0 to ±20A	2.0	2.0	20μΩ	10μH	20kΩ	0.5μF
BOP 36-12D-802E	0 to ±36V	0 to ±12A	3.6	1.2	60μΩ	50μH	36kΩ	0.4μF
BOP 50-8D-802E	0 to ±50V	0 to ±8A	5.0	0.8	125μΩ	100μH	50kΩ	0.15μF
BOP 72-6D-802E	0 to ±72V	0 to ±6A	7.2	0.6	240μΩ	200μH	72kΩ	0.1μF
BOP 100-4D-802E	0 to ±100V	0 to ±4A	10.0	0.4	500μΩ	200μH	100kΩ	0.1μF

(1) Same size as 400W models.  
(2) Options - M: Analog Meters, D: Digital Meters, L: Inductive load optimization, C: Capacitive load optimization