

DC Power Supplies

Regulated 28A DC Power Supplies

Models 1689, 1690:

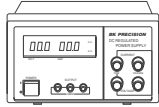
Features: • Overload protection • High RFI stability • Multiple DC output terminals

Specifications: Output Voltage: DC 1 – 15V Variable Output Current: 28A (at 13.8V) Ripple and Noise: 5mV (peak to peak) Line Regulation: 5mV (± 2% Load) Load Regulation: 50mV (0 – 100% Load)

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| BK1689-ND Precision Analog..... | \$285.00 |
| BK1690-ND Digital LED..... | \$359.00 |

Single Output DC Power Supplies

Model 1621A:



Model 1621A

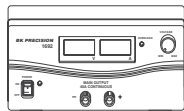
Features: • Connect two supplies in parallel to double the current output • Connect two supplies in series to double the voltage output • Operate continuously at full load without overheating • Fully overload protected • Coarse and fine voltage controls • Low ripple • Continuously monitor voltage and current output on two meters

Specifications: • Output Voltage: 0 – 18V • Output Current: 0 – 5A

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| BK1621A-ND Single Output DC Power Supply..... | \$229.00 |
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Switch Mode DC Power Supplies

Model 1692: The 1692 Switching Mode DC Power Supply provides high current output in a lightweight and compact package. It is suitable for a variety of uses, especially for powering DC operated mobile radio equipment on the bench. It provides a variable voltage output from 3V – 15V at 40A continuous operation. In addition a fixed 13.8VDC output is also selectable by a variable control knob.



Model 1692

Features: • High efficiency • Current fold-back circuitry with illuminated indicator prevents overloading the power supply • Over temperature protection circuitry • Over voltage protection prevents abnormal high output voltage • High RFI stability

Specification: Output Voltage: 3 – 15VDC (adjustable) or fixed 13.8VDC (selectable) • Output Current: 40A continuous

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| BK1692-ND Switch Mode Power Supply..... | \$309.00 |
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High Current Linear Power Supplies

Models 1791, 1790, 1794, 1795 and 1796: • Constant Voltage/Constant Current Operation • Load Current Limits • Separate DC Output ON/OFF Switch • Metering: LED



Model 1794, 1795 & 1796

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| BK1791-ND 0 – 64V, 10A..... | \$1395.00 |
| BK1790-ND 0 – 32V, 20A..... | \$1549.99 |
| BK1794-ND 0 – 32V, 30A..... | \$1883.32 |
| BK1795-ND 0 – 64V, 15A..... | \$1883.32 |
| BK1796-ND 0 – 16V, 50A..... | \$1883.32 |

DC Power Supplies to 240W Output

Short circuit protection, overload protection, reverse polarity protection, thermal protection, and current limiting. CV and CC operation, 0.02% +2mV line and 0.04%+2mV load regulation (zero to full load), adjustable current limits (five to 100%), low ripple (≤1mVrms), fast recovery time (≤100μS), and operate from 120VAC ±10%, 60Hz. Dimensions: 5.7 x 10.5 x 15". Test Lead Set TL-5A and TL-30 sold separately. 2 Year Warranty.



Model 1740B

Model 1746B: Single 0-16V, 0-10A output. Two analog meters. Voltmeter: 0-16V ±2.5% Ammeter: High Range = 0 – 11A, Low Range = 0 – 2.2A, Accuracy = ±2.5% Power Consumption: 380W

Model 1740B: Single 0 – 60V, 0-4A output. Two analog meters. Voltmeter: 64V ±2.5% Ammeter: High Range = 0 – 4.4A, Low Range = 0 – 1.1A, Accuracy = ±2.5% Power Consumption: 450W

Model 1743B: Single 0 – 35V, 0 – 6A output. Two 4-digit LED meters. Voltmeter: 0 – 99.9V (green) ± (0.5% rdg + 9 digits) Ammeter: High Range = 0 – 9.99A (red), Accuracy = ±(0.5% rdg + 9 digits) Power Consumption: 420W

Model 1745A: Output-shorting button Features: Output Voltage: 0 – 35VDC Output Current: 0 – 10A

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| BK1746B-ND..... | \$539.00 |
| BK1740B-ND..... | \$539.00 |
| BK1743B-ND..... | \$539.00 |
| BK1745A-ND DC Power Supply..... | \$719.00 |

Single Output DC Power Supplies

Short circuit protection, overload protection, reverse polarity protection, thermal protection, and current limiting. CV and CC operation, 0.01% +3mV line and load regulation (zero to full load), adjustable current limits (5 to 100%), low ripple (≤1mVrms), fast recovery time (≤100μS), and operate from 120 VAC ±10%, 60Hz. Dimensions: 6.2 x 5.5 x 12.5". Test Lead Set TL-5A and TL-30 sold separately. 2 Year Warranty.

Model 1710A: Single 0 – 30V, 0-1A output. Two analog meters. Voltmeter: 0-32 ±2.5% Ammeter: High Range = 0 – 1.04A, Low range = 0 – 0.26A, Accuracy = ±2.5% Power Consumption: 70W

Model 1711A: Single 0 – 60V, 0-2A output. Two analog meters. Voltmeter: 0 – 64 ±2.5% Ammeter: High Range = 0 – 2.2A, Low range = 0 – 0.55A, Accuracy = ±2.5% Power Consumption: 210W

Model 1715A: Single 0 – 60V, 0-2A output. Two 4-digit LED meters. Voltmeter: 0 – 99.9V (green) ± (0.5% rdg + 2 digits) Ammeter: Range = 0 – 9.99A (red), Accuracy = (0.5% rdg + 2 digits) Power Consumption: 210W

Model 1730A: Single 0 – 30V, 0-3A output. Two analog meters. Voltmeter: 0 – 32 ±2.5% Ammeter: High Range = 0 – 3.2A, Low range = 0 – 0.53A, Accuracy = ±2.5% Power Consumption: 180W

Model 1735A: Single 0 – 30V, 0 – 3A output. Two 3-digit LED meters. Voltmeter: 0 – 99.9V ±0.5% Ammeter: Range = 0 – 9.99A, Accuracy = ±0.5% Power Consumption: 180W

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| BK1710A-ND..... | \$249.00 |
| BK1711A-ND..... | \$329.00 |
| BK1715A-ND..... | \$409.00 |
| BK1730A-ND..... | \$329.00 |
| BK1735A-ND..... | \$409.00 |

High Power Switching Power Supplies

The VSP Power Supply series utilizes modern switch mode technology to produce high-power, low-noise switching supplies.



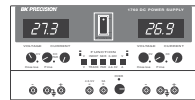
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| BKVSP2050-ND 20V, 50A, RS232..... | \$1972.21 |
| BKVSP4030-ND 40V, 30A, RS232..... | \$1972.21 |
| BKVSP6020-ND 60V, 20A, RS232..... | \$1972.21 |
| BKVSP12010-ND 120V, 10A, RS232..... | \$1972.21 |
| BKVSP2050GPB-ND 20V, 50A, GPIB..... | \$2216.65 |
| BKVSP4030GPB-ND 40V, 30A, GPIB..... | \$2216.65 |
| BKVSP6020GPB-ND 60V, 20A, GPIB..... | \$2216.65 |
| BKVSP12010GPB-ND 120V, 10A, GPIB..... | \$2216.65 |

Power Supply Hook-up Cables

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| TL-5A-ND 5A Power Supply Leads..... | \$10.35 |
| BKTL-30-ND 30A Power Supply Leads..... | \$14.03 |

Triple Output Power Supplies

Two Main sections capable of independent or tracking operation (Master and Slave). One fixed section. Switchable series/parallel operation and adjustable current limit controls for Main sections. Two displays: one reads volts or amps of "slave" supply; one reads volts or amps of "master" supply or fixed supply. Constant current and voltage indicators for Main sections. Power Source: 120VAC, +10% 60Hz. Accessories Supplied: Spare fuse, Instruction Manual, Power Cord. Test Lead Set TL-5A is sold separately.



Model 1760A and 1761

Model 1760A: Two 0 – 30VDC, 2A sections; One 4 – 6.5VDC 5A section. Switchable series/parallel operation for 24V sections. Two 3-Digit LED Displays. Dimensions: 5.7 x 10.5 x 15" 2 Year Warranty

Model 1761: Two 0 – 35VDC, 0 – 3A sections; One 2 – 6.5VDC, 5A section; Two 4-digit LED displays, Fully Overloaded protection. 2 Year Warranty

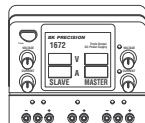
Model 1651A: Two 0 – 24VDC 500mA sections; One 5VDC 4A section. Switchable series/parallel operation for 24V sections. Two Analog Displays. Accessories Included: Test leads (3 Pairs) Dimensions: 5.5 x 11.75 x 10.975" 1 Year Warranty.

Model 1670A: Produces three outputs simultaneously. #1=30VDC @ 3A, #2=12VDC @ 500mA and #3=5VDC @ 500mA. Two 3-Digit LED Displays. Dimensions: 5.5 x 5.9 x 9.45" 1 Year Warranty

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| BK1760A-ND..... | \$659.00 |
| BK1761-ND..... | \$699.00 |
| BK1651A-ND..... | \$449.00 |
| BK1670A-ND..... | \$195.00 |

Quad Display Triple Output DC Power Supplies

Model 1672: Features: • Independent control of Voltage and Current controls for variable output • CV/CC operation • Separate 3 digit displays for voltage (green) and current (red) for both variable outputs • LED indication for CV (green)/CC (red) mode • Overload indication LED for fixed output • Series tracking and parallel mode operation for triple output unit



Model 1672

Specifications: • Output Voltage: 0 – 32VDC, 0 – 32VDC, Fixed 5VDC • Output Current: 0 – 3A, 0 – 3A, Fixed 0 – 3A

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| BK1672-ND Quad Display Triple Output DC Power Supply..... | \$469.00 |
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Programmable DC Power Supplies

Single Output — 178X Series

178X Series: Models 1785B, 1786B, 1787B and 1788 are Programmable DC Power Supplies that offer new levels of "ease of use" and programmable functionality. Direct key entry makes voltage and current selection fast, accurate and easy. In case calibration allows for simple, cost savings, uninterrupted operation.



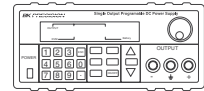
Model 1788

Features: • Sixteen user programmable preset outputs • Controllable output On/Off switch • 10mV/10mA set-ability resolution • Closed case calibration • Low ripple and noise • Excellent temperature stability • Serial interface cable and software included (RS232 optional)

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| BK1785B-ND 0-18V, 5A DC Output..... | \$385.00 |
| BK1786B-ND 0-32V, 3A DC Output..... | \$385.00 |
| BK1787B-ND 0-72V, 1.5A DC Output..... | \$385.00 |
| BK1788-ND 32V, 6A..... | \$565.56 |

Single Output — 912X Series

912X Models: The 9120A, 9121A, 9122A, and 9123A are laboratory grade Programmable DC Power Supplies providing great performance and features not found in other supplies in this price category. The 9120A series are designed to meet the needs of today's applications labs that require clean and reliable power, high resolution and accuracy and fast transient response time. Features: • Low ripple and low noise • Outstanding temperature stability • Fast transient response time (<20ms) • SCPI compatible



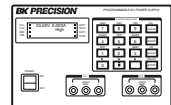
Model 9120A

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| BK9120A-ND 32V, 3A, RS232..... | \$709.00 |
| BK9121A-ND 20V, 5A, RS232..... | \$715.00 |
| BK9122A-ND NEW! 60V, 2.5A, RS232..... | \$739.00 |
| BK9123A-ND NEW! 30V, 5A, RS232, GPIB..... | \$799.00 |

Dual Output

Model 1770:

The 1770 Dual Range, Programmable Power Supply offers the best cost per watt available for virtually any application. With dual range voltages up to 17.5 or 35VDC and 3 and 6A, the versatile power supply features excellent reliability (50K hours MTBF) and user flexibility. Features: • Dual range outputs, either 0 – 17.5V, 0 – 6A or 0 – 35V, 0 – 3A • Programming resolution of 10mV and 2mA • Ripple and noise of 1mVrms • Remote sensing • In case calibration • Large character LCD display • GPIB Interface

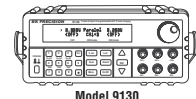


Model 1770

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| BK1770-ND..... | \$999.00 |
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Triple Output

Model 9130: The 9130 is a fully programmable triple output DC Power supply delivering 0 – 30V / 0 – 3A on 2 outputs and 0 – 5V / 0 – 3A on 1 output. Each output is fully floating and outputs can be adjusted independently

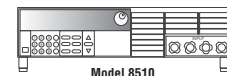


Model 9130

or connected in series or parallel to produce higher voltages or currents. The 9130 is ideally suited for application in Electronic Test, Production and Service where multiple independent DC supplies are required and bench space is at a premium. Features: • SCPI compatible command set • Communicate via standard USB communication cable or optional RS232 cable • Application software for front panel emulation and simple test sequence generation included • 50 memory locations for instrument state storage and recall

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| BK9130-ND Triple Output Programmable DC Power Supply..... | \$894.99 |
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Programmable DC Electronic Load



Model 8510

Model 8500:

Features: • 300W • Operates between 0 – 120VDC, 1mA/1mV • Over-Current, Over-Voltage, Over-Power, Over-Temperature Protected • RS232 Interface Cable and Software Included

Model 8510:

Features: • 600W • Operates between 0 – 120VDC, 1mA – 120A (600W max) • Over-Current, Over-Voltage, Over-Power, Over-Temperature Protected • RS 232 Interface Cable and Software Included

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|----------------|-----------|
| BK8500-ND..... | \$1025.00 |
| BK8510-ND..... | \$1995.00 |

More Product Available Online: www.digikey.com

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