

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

BK PRECISION

BK Precision VSP4030 High Power Switching DC Supply

BK Precision VSP4030 High Power Switching DC Supply The BK Precision VSP4030 High Power Switching DC Supply is a high-power switching DC supply for burn-in and elevated power applications. Bench DC power for lab, service, and production applications. Output Voltage Range Class: High voltage DC class per VSP4030 datasheet The BK Precision VSP4030 High Power Switching DC Supply is a high-power switching DC supply for burn-in and elevated power applications. Bench DC power for lab, service, and production applications. Output Voltage Range Class: High voltage DC class per VSP4030 datasheet Output Current Range Class: High current class per VSP4030 datasheet



MODEL

**BK Precision
VSP4030**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

VSP4030

LISTING

<https://aumictechlabs.com/products/vsp4030-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The BK Precision VSP4030 is a high-power switching DC power supply designed for demanding applications in engineering, system integration, laboratories, and enterprise environments. It leverages modern switch-mode technology to deliver efficient and low-noise power outputs, offering a cost-effective alternative to linear supplies of comparable power. The VSP4030's compact 1U rack-mountable chassis makes it suitable for both benchtop use and dense

equipment racks. Technical Specifications * Model: VSP4030 Power Output: 1.2 kilowatts (kW) Output Voltage Range: 0-40 Volts (V) Output Current Range: 0-30 Amperes (A) Output Voltages Available (across VSP series): 20V, 40V, 60V, and 120V (specific to model) Ripple (rms, 10Hz to 1MHz): <10mV Efficiency: Approximately 80% Power Factor Correction: Integrated circuitry for maintaining a near-unity power factor at full load and limiting input current harmonics. Switching Technology: Utilizes soft-switching techniques and a two-device asynchronous half-bridge DC-to-DC converter design to reduce switching noise and improve efficiency. Input Voltage Range: 95 VAC to 264 VAC, 47-63 Hz (factory configured) Input Protection: Features an input protection derating curve. RFI Filter: Built-in RFI filter to reduce conducted power line noise emissions and susceptibility, meeting EN55022 Class A standards. Electrical * Voltage Control: * Manual tuning via front-panel ten-turn potentiometers. * Remote control via RS-232 interface (standard models). * Remote control via GPIB interface (optional, by adding "GPIB" to the model number). Current Control: Constant current mode operation. Remote Sensing: Capable of remote sensing to maintain precise voltage levels at the load. Interfaces * Standard Interface: RS-232 Optional Interface: GPIB (requires specific model configuration) Analog Interface: 25-pin D-type connector with an 8-pin DIP switch for remote analog interface settings. Physical * Chassis: 1U (1.75 inches) high, 19-inch rack-mountable chassis. Airflow: Front-to-back airflow for full power operation without spacing between units. Output On/Off Switch: Located on the front panel. Dimensions: Not explicitly detailed in search results beyond chassis height and width requirements. Weight: Approximately 16 lbs (for a unit listed as "For Parts / Repair"). Operational Capabilities * Cascading: Up to nine units can be cascaded to achieve more than 10 kilowatts (kW) of DC power. Power Modes: Operates in constant voltage and constant current modes. Compatibility * Rack Mounting: Designed for standard 19-inch rack installations. Software: LabVIEW driver available (V1.1, LV_VSP.zip). Documentation * Datasheet: Available. Manual: Instruction Manual available. Why Choose Aumictech for the BK Precision VSP4030? At Aumictech, we specialize in supplying high-end power supply equipment. Whether you need precise voltage and current control for complex testing, solid power for demanding industrial applications, or a compact, rack-mountable solution for space-constrained labs, our team ensures the BK Precision VSP4030 delivers maximum performance for your application.

VSP4030 Characteristics / Specifications

PARAMETER	VALUE
Output Voltage Range Class	High voltage DC class per VSP4030 datasheet
Output Current Range Class	High current class per VSP4030 datasheet
Operating Modes	Constant voltage and constant current class
Metering	Front panel voltage and current meters
Protection	Current limiting and overload protection class
Ripple Noise Class	Switching supply ripple class
Regulation Class	Laboratory supply regulation class
Form Factor	Benchtop DC supply
Primary Power	AC mains laboratory supply class
Cooling	Forced air cooling class
Output Binding Posts	Front panel binding posts
Series Family	BK family laboratory DC supplies
Applications Class	Bench DC power
Display Type Class	Analog or digital meters by revision
Weight Class	Benchtop supply weight
Isolation	Output floating relative to chassis class
Current Limit	Adjustable current limiting
Temperature Operation Class	Continuous operation within ratings class
Warmup Time Class	15 minutes typical class
Relative Humidity Class	Up to 80 percent noncondensing class
Export Classification Class	Commercial test equipment class
Series Parallel Class	Two supplies may be series or parallel connected class
Voltage Controls Class	Front panel adjust class
Humidity	Class: Up to 80 percent noncondensing class

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Output Voltage Range Class	High voltage DC class per VSP4030 datasheet
Output Current Range Class	High current class per VSP4030 datasheet
Operating Modes	Constant voltage and constant current class
Metering	Front panel voltage and current meters
Protection	Current limiting and overload protection class
Ripple Noise Class	Switching supply ripple class
Regulation Class	Laboratory supply regulation class
Form Factor	Benchtop DC supply
Primary Power	AC mains laboratory supply class
Cooling	Forced air cooling class
Output Binding Posts	Front panel binding posts
Series Family	BK family laboratory DC supplies
Applications Class	Bench DC power
Display Type Class	Analog or digital meters by revision
Weight Class	Benchtop supply weight
Isolation	Output floating relative to chassis class
Current Limit	Adjustable current limiting
Temperature Operation Class	Continuous operation within ratings class
Warmup Time Class	15 minutes typical class
Relative Humidity Class	Up to 80 percent noncondensing class
Export Classification Class	Commercial test equipment class
Series Parallel Class	Two supplies may be series or parallel connected class
Voltage Controls Class	Front panel adjust class
Notes	
From BK Precision VSP4030 High Power Switching DC Supply OEM product documentation. Confirm exact voltage and current ratings on the faceplate and datasheet revision.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 14, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.