

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

BK PRECISION

BK Precision 1689A Switching DC Power Supply

BK Precision 1689A Switching DC Power Supply The BK Precision 1689A Switching DC Power Supply is a high-current switching automotive DC supply in the 1688/1689 family. Bench DC power for lab, service, and production applications. Output Voltage Range Class: Approximately 3 to 15 VDC class family The BK Precision 1689A Switching DC Power Supply is a high-current switching automotive DC supply in the 1688/1689 family. Bench DC power for lab, service, and production applications. Output Voltage Range Class: Approximately 3 to 15 VDC class family Output Current Range Class: Tens of amperes at 13.8 V class



MODEL

**BK Precision
1689A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

1689A

LISTING

<https://aumictechlabs.com/products/1689a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The BK Precision 1689 is a regulated analog DC power supply designed for continuous duty applications. It has a variable output voltage and a high current output capability, making it suitable for a range of testing, servicing, and operational needs, particularly where a stable and precise power source is required. Its solid design and overload protection features contribute to its reliability in demanding environments. Technical Specifications * Model: BK Precision 1689 Product Type: Regulated Analog DC Power Supply Output Voltage: * Variable: 1 VDC to 15 VDC * Single Touch Setting: 13.8V Output Current: * Maximum: 28 A * Specific Rating: 28 A at 13.5 VDC * Specific Rating: 28 A at 13.8 V Line Regulation: $\leq 0.8\%$, 5 mV ($\pm 2\%$ Load) Load Regulation: 50 mV (0-100% Load) Ripple and Noise: ≤ 10 mVrms, 5 mV (peak to peak) Input Power: 120V / 60Hz

Metering: * Type: Precision Analog * Displays: Dual analog meters for voltage and current monitoring Protection Features: * Overload Protection: Current foldback circuit * Over Voltage Protection: Included * Short Circuit Protection: Included * Reverse Polarity Protection: Included Cooling: Temperature sensitive variable speed cooling fan RFI Stability: High RFI stability Electrical * Continuous Duty Operation: Designed for continuous duty at full load without overheating Output Terminals: * Front Panel: Two pairs of 3A snap-in DC connectors * Rear Panel: One pair of 28A screw-on DC output terminals Fuse: Replaceable fuse Physical * Dimensions (W x H x D): 9.84" x 5.5" x 8.86" (250mm x 140mm x 225mm) Weight: 19.9 lbs (9 Kg), 13.7 lbs Compatibility * Applications: * Electronics testing * Circuit design * Component evaluation * Servicing high-power car stereos * Servicing cellular phone products * Servicing camcorders * Servicing ham radios * Car battery substitution Series/Parallel Operation: Can be connected in parallel for more current or in series for higher voltage Why Choose Aumictech for BK Precision 1689? At Aumictech, we specialize in supplying high-end power supply equipment. Whether you need a reliable power source for demanding electronics testing, precise voltage and current for complex circuit design, or a solid solution for component evaluation, our team ensures the BK Precision 1689 delivers maximum performance for your application.

1689A Characteristics / Specifications

PARAMETER	VALUE
Output Voltage Range Class	Approximately 3 to 15 VDC class family
Output Current Range Class	Tens of amperes at 13.8 V class
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	Approximately 3 to 15 VDC class family
Output Current Range Class	Tens of amperes at 13.8 V class
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 1689A Switching DC Power 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.