

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

BK PRECISION

BK Precision 1646 DC Power Supply

The BK Precision 1646 DC Power Supply is a single-output linear laboratory DC supply. Bench DC power for lab, service, and production applications. Output Voltage Range Class: Adjustable DC volts class per 1646 datasheet Output Current Range Class: Ampere class per 1646 datasheet Bench DC power for lab, service, and production applications. Output Voltage Range Class: Adjustable DC volts class per 1646 datasheet Output Current Range Class: Ampere class per 1646 datasheet Operating Modes: Constant voltage and constant current class



MODEL

BK Precision 1646

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

1646

LISTING

<https://aumictechlabs.com/products/1646-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The BK Precision 1646 is a benchtop DC power supply designed for electronics testing, product development, and service applications, offering a stable and adjustable voltage source for accurate and repeatable results. Its design emphasizes dependability and ease of use for various technical tasks. Technical Specifications * Model: 1646 Manufacturer: BK Precision Type: DC Power Supply Output Voltage: Adjustable, up to 16V Output Current: Adjustable, up to 10A Maximum Power: 160W Input Voltage: 100-240V AC Frequency Range: 47-63Hz Ripple & Noise: ≤ 2mVrms Display: Digital LED Electrical Specifications * Voltage Regulation: * Line Regulation: Not specified * Load Regulation: Not specified Current Regulation: * Line Regulation: Not specified * Load Regulation: Not specified Programming Accuracy: * Voltage: Not specified * Current: Not

specified Readback Accuracy: * Voltage: Not specified * Current: Not specified Transient Response: Not specified Protection Features: * Overload Protection * Overvoltage Protection * Short Circuit Protection Efficiency: Not specified Interfaces * Output Terminals: Standard banana-style connectors for positive, negative, and ground. Input Power Connector: Standard AC power cord receptacle. Physical Specifications * Dimensions: 215mm x 105mm x 275mm (Width x Height x Depth) Weight: 3.6kg (7.94 lbs) Enclosure: Metal chassis with front panel controls and digital display. Controls and Indicators * Voltage Control: Coarse and fine adjustment knobs for precise voltage setting. Current Control: Coarse and fine adjustment knobs for setting the current limit. Indicators: * Constant Voltage (CV) LED * Constant Current (CC) LED Display: Digital LED display for voltage and current readings. Operational Modes * Constant Voltage (CV) Mode: The unit regulates output voltage to the set value, and the output current is limited by the current control setting. Constant Current (CC) Mode: The unit regulates output current to the set value, and the output voltage is limited by the voltage control setting. The unit automatically transitions between CV and CC modes as the load conditions change. Applications * Electronics Servicing Electronics Manufacturing Electronics Design Laboratories Electronics Education Battery Charging Why Choose Aumictech for BK Precision 1646? At Aumictech, we specialize in supplying high-end electronics testing and measurement equipment. Whether you need reliable power sources for product development, precise voltage and current control for lab experiments, or dependable performance for service applications, our team ensures the BK Precision 1646 delivers maximum performance for your application.

1646 Characteristics / Specifications

PARAMETER	VALUE
Output Voltage Range Class	Adjustable DC volts class per 1646 datasheet
Output Current Range Class	Ampere class per 1646 datasheet
Operating Modes	Constant voltage and constant current class
Metering	Front panel voltage and current meters
Protection	Current limiting and overload protection class
Ripple Class	Low ripple laboratory supply class
Regulation Class	Laboratory supply regulation class
Form Factor	Benchtop DC supply
Primary Power	AC mains laboratory supply class
Cooling	Convection cooled 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	
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PARAMETER	VALUE
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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 1646 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

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