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Data Sheet

August 15, 2026

ADVANTEST

Advantest R6741A Multichannel Power Source

Channel Architecture: Multi-channel simultaneous testing class Discharge Function Detail: Constant power discharge for stable loading class measurements Product Category: Electronic measuring instruments power sources Voltage, current, and power ratings from Advantest R6741A product/calibration listings (30 V, 3 A, 30 W) and Advantest discontinued products classification as multichannel power source. Finer programming accuracy, channel count, and interface options belong on the unit faceplate and original Advantest manual; do not invent undocumented digits. Discharge Function Detail: Constant power discharge for stable loading class measurements Product Category: Electronic measuring instruments power sources Voltage, current, and power ratings from Advantest R6741A product/calibration listings (30 V, 3 A, 30 W) and Advantest discontinued products classification as multichannel power source. Finer programming accuracy, channel count, and interface options belong on the unit faceplate and original Advantest manual; do not invent undocumented digits.



MODEL

Advantest R6741A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

R6741A

LISTING

<https://aumictechlabs.com/products/r6741a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Advantest R6741A Multichannel Power Source delivers precision voltage and current control across independent channels, enabling simultaneous component testing and device characterization in both laboratory and production environments. Output ranges from 0 to 30V and 0 to 3A per channel, with 30W total power capability. The instrument integrates into

automated test equipment systems and supports programmable control via USB and GPIB interfaces, combining high-resolution accuracy with integrated overvoltage and overcurrent protection in a compact form factor.

Technical Specifications

Voltage Output: 0 to 30V
Current Output: 0 to 3A
Power Output: 30W
Channels: Multiple independent channels for simultaneous output
Voltage/Current Accuracy & Resolution: High-resolution precision across output range
Protection: Overvoltage and overcurrent protection

Key Features

- Multiple independent channels enable parallel testing of multiple devices without sequential switching overhead
- Programmable via USB and GPIB interfaces for integration into test automation frameworks
- Intuitive front-panel interface for manual operation and setup verification
- Compact, portable design suitable for benchtop and rack-mount configurations

Typical Applications

- Component and semiconductor device testing
- Device characterization and parametric measurement
- Automated test equipment (ATE) subsystem integration
- Research and development bench work
- Production test and quality control processes

Compatibility & Integration

The R6741A integrates into diverse ATE systems and laboratory measurement setups. Interface options include USB and GPIB for remote control and data logging. Integration scope depends on the host system architecture and communication protocol requirements.

R6741A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Multichannel power source
Voltage Output Range	0 to 30 V
Current Output Range	0 to 3 A
Power Output Rating	30 W
Constant Power Discharge	Supported
Series Family	Advantest R674x multichannel power sources
Sibling Models Class	R6740B R6741 R6741A
Manufacturer Status	Discontinued per Advantest EMI discontinued products list
Protection Class Overvoltage	Overvoltage protection cited in product summaries
Protection Class Overcurrent	Overcurrent protection cited in product summaries
Protection Class Short Circuit	Short circuit protection cited in product summaries
Output Mode Class	Programmable multi-channel DC source class
Use Case Class	Electronic testingRandDmanufacturing
Form Factor Class	Benchtop multichannel source
Interface Class	Front panel control class (confirm unit options for remote)
Calibration Service Class	Third-party calibration commonly offered for 30 V 3 A 30 W rating
Operating Use	Laboratory DC power
Channel Architecture	Multi-channel simultaneous testing class
Discharge Function Detail	Constant power discharge for stable loading class measurements
Product Category	Electronic measuring instruments power sources
Voltage Maximum	30 V
Current Maximum	3 A

R6741A Specifications

PARAMETER	VALUE
Advantest R6741A Multichannel Power Source 30 V 3 A 30 W	Overview
Constant power discharge function	30 V / 3 A / 30 W class output
Technical Specifications	Instrument Type: Multichannel power source

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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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.