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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Keysight N6745B DC Power Module, 0 to 60 Vdc, 0 to 1.6 A, 100 W

Agilent Keysight N6745B Basic DC Power Module 60 V 1.6 A 100 W The Agilent/Keysight N6745B is a 100 W basic DC power module for N6700/N6705 mainframes rated 0 to 60 V / 0 to 1.6 A / 100 W. OEM N6700 Modular Power System Family datasheets list ripple noise programming accuracy and measurement accuracy for this model row. ATE and R&D DC rails needing 100 W at up to 60 V in a single N6700/N6705 slot. Optional output disconnect relays Option 761 The Agilent/Keysight N6745B is a 100 W basic DC power module for N6700/N6705 mainframes rated 0 to 60 V / 0 to 1.6 A / 100 W. OEM N6700 Modular Power System Family datasheets list ripple noise programming accuracy and measurement accuracy for this model row. ATE and R&D DC rails needing 100 W at up to 60 V in a single N6700/N6705 slot. Optional output disconnect relays Option 761 Compatible with N6700 and N6705 mainframes



MODEL

**Agilent / Keysight
N6745B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N6745B

LISTING

<https://aumictechlabs.com/products/n6745b-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N6745B is a, modular DC power module designed for integration into the N6700 modular power system. It has precise voltage and current control, along with advanced measurement capabilities. With its fast output response and arbitrary waveform generation, the

N6745B is well-suited for simulating complex power profiles and testing electronic devices under various conditions. It is commonly used in aerospace, automotive, and telecommunications industries for power supply testing and characterization.

N6745B Characteristics / Specifications

PARAMETER	VALUE
Model	N6745B
DC Output Voltage	0 to 60 V
DC Output Current	0 to 1.6 A
DC Output Power	100 W
Ripple Noise Voltage Peak To Peak	25 mV
Ripple Noise Voltage RMS	9 mV
Voltage Programming Accuracy	0.1 percent + 60 mV
Current Programming Accuracy	0.15 percent + 20 mA
Voltage Measurement Accuracy	0.1 percent + 60 mV
Current Measurement Accuracy	0.15 percent + 4 mA
Mainframe Compatibility	N6700 and N6705 series
Slot Occupancy	1 of 4 slots
Arbitrary Waveform Generation	Yes
Output Disconnect Relays Option	Option 761
Polarity Reversal Relays Option	Option 760 (current limited on some models per OEM note)
Series Family	Keysight N6700 basic DC modules
Module Class	100 W basic
PARD Bandwidth	20 Hz to 20 MHz
Programming Accuracy Temperature	23 C plus or minus 5 C after 30 minute warm-up class family
Load Effect Voltage	13 mV / 16 mV class OEM 50W/100W column
Load Effect Current	2 mA
Source Effect Voltage	6 mV
Source Effect Current	1 mA
Load Transient Recovery Time	less than 200 us
Measurement Data Points Default	1024

PARAMETER	VALUE
Measurement Time Interval Default	20.48 us
Current Derating Above 40 C	1 percent perCOutput Isolation: floating isolated from chassis ground class family
Bandwidth	20 Hz to 20 MHz
Output isolation	floating isolated from chassis ground class family

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.

performance DC power module Occupies one mainframe slot Arbitrary waveform generation capable Optional output disconnect relays Option 761 Compatible with N6700 and N6705 mainframes	
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Notes
From Keysight N6700 Modular Power System Family Data Sheet DC Power Module Key Performance Specifications row for N6745B. Option 760 limits output current to 10 A maximum on N6773A per OEM note.

Ordering Information

OPTION	DESCRIPTION
Option 761	Compatible with N6700 and N6705 mainframes
Option 760	limits output current to 10 A maximum on N6773A per OEM note.

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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30-day returns
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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.