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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 66001A DC Power Supply

Agilent Keysight HP 66001A Modular Power System Keyboard The Agilent 66001A is the detachable keyboard for manual control of the 66000A modular power system. OEM 66000/66001 literature rates a front-panel keyboard with 2 m (6 ft) cables for program development and troubleshooting of up to eight 150 W modules in the 1200 W mainframe. Bench debug and interactive setup of 66000A modular DC power systems without relying solely on GPIB controllers. Manual voltage and current control of installed modules The Agilent 66001A is the detachable keyboard for manual control of the 66000A modular power system. OEM 66000/66001 literature rates a front-panel keyboard with 2 m (6 ft) cables for program development and troubleshooting of up to eight 150 W modules in the 1200 W mainframe. Bench debug and interactive setup of 66000A modular DC power systems without relying solely on GPIB controllers. Manual voltage and current control of installed modules Supports program development and troubleshooting workflows



MODEL

**Agilent / Keysight
66001A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

66001A

LISTING

<https://aumictechlabs.com/products/66001a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 66001A is a detachable keyboard controller for the 66000 Modular Power System (MPS), enabling manual operation and program development without requiring a computer. It interfaces with the 66000A mainframe - a 4U, 8-slot chassis - which accommodates up to eight interchangeable DC power modules totaling 1200 W. The 66001A provides direct

access to voltage and current programming, electronic calibration, and system configuration while supporting GPIB remote control for automated test sequences.

Technical Specifications

Programming Accuracy (at $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$): Voltage $0.03\% + 13 \text{ mV}$; Current $0.03\% + 3 \text{ mA}$

Readback Accuracy (via GPIB or keyboard at $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$): Voltage $0.02\% + 2 \text{ mV}$; Current $0.02\% + 6 \text{ mA}$

Ripple and Noise (20 Hz to 20 MHz): Constant Voltage (rms) 5 mV, (peak-to-peak) 10 mV; Constant Current (rms) 4 mA

Example Module Ratings (at 40°C): 28.5 V @ 5.5 A (157 W); 24 V @ 6 A (144 W); 55 V @ 3 A (165 W); 35 V @ 1.25 A

System Power: Up to 1200 W across eight modules; individual modules rated to 150 W

Key Features

- Electronic voltage and current programming via GPIB using SCPI commands
- Electronic calibration capability from keyboard or GPIB interface
- User-definable power-on state configuration
- Five non-volatile store-recall states per output
- LIST Mode and advanced triggering for optimized test sequencing
- Output sequencing with up to 20 downloadable parameter sets per output
- Programmable Over-Voltage Protection (OVP) and Over-Current Protection (OCP)
- Over-Temperature Protection and Discrete Fault Indicator/Remote Inhibit (DFI/RI)

Compatibility & Integration

The 66001A keyboard works exclusively within the 66000 MPS architecture. The system supports serial linking of multiple mainframes, enabling up to 16 outputs under single GPIB address control. Compatible DC power modules include the 6640, 6650, 6670, 6680, and 6030 series, offering power ranges from 150 W to 5000 W. Module swapping allows rapid system reconfiguration for diverse test requirements.

66001A Characteristics / Specifications

PARAMETER	VALUE
Model	66001A
Instrument Type	Modular power system detachable keyboard
Host Mainframe Model	66000A
Host Mainframe Absolute Slots	8
Host Mainframe Total Power	1200 W
Host Module Power Maximum Each	150 W
Cable Length Included	2 m (6 ft)
Control Interface Class	front-panel keyboard to mainframe
Manual Control Functions	voltage and current settings for installed modules
Primary Use	program development and troubleshooting
Rack Mount Kit Companion	66002A
GPIB Host Path	via 66000A mainframe
Module Address Scheme	mainframe slot subaddresses 0 to 7 in MAIN mode
Serial Link Module Capacity Class	up to 16 modules across linked mainframes
Mainframe Height	192 mm (7.28 in) including feet class
Mainframe Width	425.7 mm (16.76 in)
Mainframe Depth	677.93 mm (26.69 in) including rear connectors
Languages On Host	SCPI via GPIB
Product Family	66000 modular power system
Mainframe Input Power Max Va	3200 VA
Mainframe Input Power Max Watts	1800 W
Mainframe Input Power Typical Watts	1600 W

66001A Specifications

PARAMETER	VALUE
Agilent Keysight HP 66001A Modular Power System Keyboard	Overview
Applications	Bench debug and interactive setup of 66000A modular DC power systems without relying solely on GPIB controllers.
Key Features	Detachable keyboard for 66000A mainframe
Technical Specifications	Model: 66001A

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
Model	66001A
Instrument Type	Modular power system detachable keyboard
Host Mainframe Model	66000A
Host Mainframe Absolute Slots	8
Host Mainframe Total Power	1200 W
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Primary Use	program development and troubleshooting
Rack Mount Kit Companion	66002A
GPIB Host Path	via 66000A mainframe
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Notes	
From Keysight/Agilent 66000A Modular Power System data sheet and 661xxA/66001A user guide product descriptions. Electrical output ratings belong to the installed 6610xA modules rather than the keyboard.	

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.