**Aumictech**
Test & measurement · bought, sold, repaired, calibrated

**Data Sheet**
August 14, 2026

AGILENT / KEYSIGHT

# Agilent/Keysight 66000A DC Power Supply

Agilent Keysight 66000A Modular Power System Mainframe 1200 W The Keysight/Agilent 66000A is an eight-slot modular DC power system mainframe. OEM data sheet rates 1200 W total DC output, up to 150 W per module, GPIB control, LIST mode, and serial link of auxiliary frames. ATE multi-output DC systems needing swappable modules and one GPIB address for many outputs. Eight-slot mainframe for 66101A–66106A modules The Keysight/Agilent 66000A is an eight-slot modular DC power system mainframe. OEM data sheet rates 1200 W total DC output, up to 150 W per module, GPIB control, LIST mode, and serial link of auxiliary frames. ATE multi-output DC systems needing swappable modules and one GPIB address for many outputs. Eight-slot mainframe for 66101A–66106A modules LIST mode sequencing and advanced triggering

| | |
|---|---|
| MODEL<br>**Agilent / Keysight 66000A** | CALIBRATION<br>**Available on request** |
| CONDITION<br>**Used** | STATUS<br>**In stock** |
| RFQ / SKU<br>**66000A** | LISTING<br>**https://aumictechlabs.com/products/66000a-2/** |

NIST-traceable cal · SAM registered · 30-day returns · NAICS 423690 · 811210 · 541380

## This unit

The Agilent/Keysight 66000A is a modular DC power system mainframe that hosts up to eight interchangeable DC power modules in a 4U (7-inch) rack form factor. This high-density platform delivers up to 1200 W total power output - 150 W per module maximum - and supplies bias and stimulus power to subassemblies and final products in automated test equipment (ATE) and production test environments. The system simplifies test system assembly, cabling, programming,

and debugging through integrated output sequencing, low ripple and noise characteristics, and high-accuracy voltage and current read-back via GPIB.Technical Specifications Form Factor: 4U mainframe; 8-slot configuration Maximum Power Output: 1200 W total; 150 W per module Voltage Programming Response Time: <20 ms rise/fall time (10% to 90%); settles within 0.1% in <120 ms GPIB Command Processing: Average 20 ms output voltage change latency DC Floating Output: ±240 Vdc from chassis ground Remote Sensing: Supports voltage drop compensation up to half rated output voltage Protection: Over-voltage, over-current (programmable); over-temperature shutdown Calibration: Electronic calibration via GPIB or optional keyboardKey Features Flexible module mix - any combination of eight DC power modules Output sequencing for controlled power-up/down sequences Low ripple and noise for sensitive device testing SCPI-compliant, GPIB-programmable control High-accuracy voltage and current read-back Five non-volatile store-recall states per output User-definable power-on state configuration Discrete Fault Indicator/Remote Inhibit (DFI/RI) for status and remote control Self-test capability at power-up or via GPIB commandTypical Applications Automated test equipment (ATE) power distribution Production and functional test environments Multi-channel bias and stimulus sourcing Complex system power sequencing and monitoringCompatibility & Integration GPIB programming interface with SCPI support Optional keyboard module (66001A) for manual operation and program development Remote sensing capability for load compensation

## 66000A Characteristics / Specifications

| PARAMETER | VALUE |
|---|---|
| **Instrument Type** | Modular DC power system mainframe |
| **Series Family** | Keysight 66000 MPS |
| **Slot Count** | 8 |
| **Total DC Power** | 1200 W |
| **Maximum Power Per Module** | 150 W |
| **Compatible Modules** | 66101A through 66106A |
| **GPIB** | IEEE-488.2 SCPI |
| **Serial Link** | up to 16 outputs at one GPIB address with auxiliary frame |
| **Command Processing Time** | 20 ms average |
| **Output Programming Response Rise Fall** | less than 20 ms |
| **Settling to 0.1 Percent** | less than 120 ms |
| **Down Programming Sink** | about 10 percent of rated module current |
| **DC Floating Voltage Modules** | plus or minus 240 Vdc from chassis |
| **AC Input Max Current 100 Vac** | 29 A |
| **AC Input Max Current 120 Vac** | 25 A |
| **AC Input Max Current 200 Vac** | 16 A |
| **AC Input Max Current 220 Vac** | 16 A |
| **AC Input Max Current 230 Vac** | 15 A |
| **AC Input Max Current 240 Vac** | 15 A |
| **Input Power Max** | 3200 VA; 1800 W max; 1600 W typical |
| **Size** | 425.7 mmWx 192 mmHx 677.93 mmDWeight Net: 15 kg (33 lb) |
| **Weight Shipping** | 19 kg (42 lb) |
| **Store Recall** | five nonvolatile states per output |
| **Self Test** | at power-up or GPIB command |

## 66000A Specifications

| PARAMETER | VALUE |
| --- | --- |
| **Key Features** | Eight-slot mainframe for 66101A–66106A modules |
| **Technical Specifications** | Instrument Type: Modular DC power system mainframe |
| **Notes** | From Keysight/Agilent 66000A Modular Power System data sheet 5990-9310EN. |

# 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 |
|---|---|
| **Instrument Type** | Modular DC power system mainframe |
| **Series Family** | Keysight 66000 MPS |
| **Slot Count** | 8 |
| **Total DC Power** | 1200 W |
| **Maximum Power Per Module** | 150 W |
| **Compatible Modules** | 66101A through 66106A |
| **GPIB** | IEEE-488.2 SCPI |
| **Serial Link** | up to 16 outputs at one GPIB address with auxiliary frame |
| **Command Processing Time** | 20 ms average |
| **Output Programming Response Rise Fall** | less than 20 ms |
| **Settling to 0.1 Percent** | less than 120 ms |
| **Down Programming Sink** | about 10 percent of rated module current |
| **DC Floating Voltage Modules** | plus or minus 240 Vdc from chassis |
| **AC Input Max Current 100 Vac** | 29 A |
| **AC Input Max Current 120 Vac** | 25 A |
| **AC Input Max Current 200 Vac** | 16 A |
| **AC Input Max Current 220 Vac** | 16 A |
| **AC Input Max Current 230 Vac** | 15 A |
| **AC Input Max Current 240 Vac** | 15 A |
| **Input Power Max** | 3200 VA; 1800 W max; 1600 W typical |
| **Size** | 425.7 mmWx 192 mmHx 677.93 mmDWeight Net: 15 kg (33 lb) |
| **Weight Shipping** | 19 kg (42 lb) |
| **Store Recall** | five nonvolatile states per output |
| **Self Test** | at power-up or GPIB command |

Notes
From Keysight/Agilent 66000A Modular Power System data sheet 5990-9310EN.

## 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