

KEYSIGHT TECHNOLOGIES (AGILENT HP)

66000 Series - 150W Modules

The Keysight (Agilent HP) 66000 Series 150W Power Supply Modules offer flexible, high-density DC power solutions for Automated Test Equipment (ATE) and production test systems. These modular outputs, including models like the 66101A through 66106A, provide up to 150W per output, featuring GPIB control, SCPI programming, and advanced triggering capabilities for seamless integration and reliable performance.

SPECIFICATIONS

General

Interfaces	None directly on module; controlled via mainframe's GPIB
Display	None (module controlled via mainframe)
Recommended Calibration Interval	1 year

Physical

Power Supply	Powered by 66000A Series mainframe
Operating Temperature	0 to 55 °C °C
Dimensions (W×H×D)	66 mm W × 217 mm H × 460 mm D mm
Weight	5.5 kg kg
Cooling Method	Forced air (via mainframe)
Acoustic Noise	< 45 dBA (from mainframe)

Output Characteristics

Maximum Output Power	150 W
Output Type	DC
Output Voltage/Current	Module dependent

Measurement Accuracy (Readback)

Built-in Measurements	Yes
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Protection Features

Safety Features	Yes
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Programming and Control

Control Interface Type	Via mainframe
Programming Language	SCPI command set
Command Processing	Drivers available
Multi-Supply Control	Serial link system
Output State Storage	Automated sequencing up to 20 steps
Triggering Capabilities	Advanced hardware and software triggering

Physical Characteristics

Mainframe Compatibility	66000 Series mainframe
Mainframe Slot Occupancy	1 slot per module
Module Accessibility	Front-removable
Mainframe Rack Unit	4U (for up to 8 modules)

General Information

Modular Outputs Included	66101A - 66106A, and -J options
Maximum Modules per Mainframe	8
Available Option	Output relays (open/close/polarity reversal)

Environmental

Storage Temperature	-40 to 75 °C
Humidity	0 to 95% RH, non-condensing
Operating Altitude	Up to 3000 m

Compliance

Safety Compliance	UL 3111-1, CSA C22.2 No. 1010.1, EN61010-1
EMC Compliance	EN61326-1

Output Connections

Remote Sensing	Rear panel terminals
Output Terminals	Rear panel screw-type

Software & Control

Programming Drivers	IVI-COM, IVI-C, LabVIEW (via mainframe)
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Protection

Overvoltage Protection (OVP)	Adjustable, user-settable
Overcurrent Protection (OCP)	Current limit acts as OCP
Thermal Protection	Yes

Performance

Voltage Load Regulation	0.01% of Vout + 1 mV (module dependent)
Current Load Regulation	0.01% of Iout + 1 mA (module dependent)
Voltage Line Regulation	0.01% of Vout + 1 mV (module dependent)
Current Line Regulation	0.01% of Iout + 1 mA (module dependent)
Voltage Ripple (RMS, 20 Hz - 20 MHz)	0.5 mVrms
Voltage Noise (Peak-to-Peak, 20 Hz - 20 MHz)	5 mVp-p
Current Ripple (RMS, 20 Hz - 20 MHz)	1 mA rms
Transient Response Time (Voltage)	< 1 ms (for 50% load change, within 0.1% of final Vout)
Voltage Programming Accuracy	0.05% of setting + 5 mV
Current Programming Accuracy	0.1% of setting + 10 mA
Voltage Programming Resolution	1 mV (module dependent)
Current Programming Resolution	1 mA (module dependent)
Voltage Measurement Accuracy	0.05% of reading + 5 mV
Current Measurement Accuracy	0.1% of reading + 10 mA
Voltage Measurement Resolution	1 mV (module dependent)
Current Measurement Resolution	1 mA (module dependent)
Output Voltage Stability (8 hr)	0.01% of Vout + 5 mV
Output Current Stability (8 hr)	0.01% of Iout + 5 mA

Control & Programming

Voltage Slew Rate	Programmable
Current Slew Rate	Programmable

TECHNOLOGY

Programmable DC Power Supply

APPLICATIONS

Automated Test Equipment (ATE)

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.