

KEYSIGHT TECHNOLOGIES (AGILENT HP)

N6760 Series - 50W, 100W Modules

The Keysight (Agilent) N6761A and N6762A are 50 W and 100 W precision DC power supply modules within the N6760 Series, designed for the N6700 and N6705 modular power system mainframes. They offer highly accurate control and readback in the milliampere and microampere regions, featuring simultaneous voltage and current digitizing capabilities.

SPECIFICATIONS

Physical

Operating Temperature	0 °C to 55 °C °C
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Output Ratings

Maximum Output Power	50 W (N6761A); 100 W (N6762A)
Output Voltage Range	0 to 50 V
Output Current Range	0 to 1.5 A (N6761A); 0 to 3 A (N6762A)
Voltage Low Range	5.5 V
Current Low Range	100 mA

Programming Accuracy

Voltage Programming Accuracy	0.016% + 6 mV
Current Programming Accuracy	0.04% + 200 µA
Voltage Low Range Accuracy	0.016% + 1.5 mV
Current Low Range Accuracy	0.04% + 15 µA

Measurement/Readback Accuracy

Voltage Readback Accuracy	0.016% + 6 mV
Current Readback Accuracy	0.04% + 160 µA
Voltage Low Range Readback Accuracy	0.016% + 1.5 mV
Current Low Range Readback Accuracy	0.03% + 15 µA
Microamp Range Measurement Accuracy	0.5% + 100 nA (with Option 2UA)

Ripple and Noise

Voltage Peak-to-Peak Ripple (20 Hz to 20 MHz)	4.5 mV
Voltage RMS Ripple	0.35 mV
Current RMS Ripple	2 mA

Dynamic Characteristics

Output Turn-on Delay Range	0 to 3600 s
Output Turn-off Delay Range	0 to 3600 s

Output Protections

Overvoltage Protection (OVP) Range	0 to 55 V
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Features and Options

Current Measurement Low Range Option	Option 2UA (200 µA range)
Output Disconnect Relays Option	Option 761
Polarity Reversal Relays Option	Option 760 (includes disconnect relays)
Galvanic Isolation	Yes (Output to chassis and between outputs)

Physical and Environmental

Module Slot Width	1 slot
Mainframe Compatibility	Keysight N6700, N6701, N6702, N6705 Series

TECHNOLOGY

Precision Programmable DC Power Supply

APPLICATIONS

Automated Test Equipment (ATE), low-power device testing, battery emulation, simultaneous V/I digitizing

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