

KEYSIGHT TECHNOLOGIES (AGILENT HP)

N3306A

The Keysight (Agilent) N3306A is a 600 W, 0-120 A, 0-60 V electronic load module designed for use in N3300A or N3301A mainframes. It provides fast operation and accurate programming in constant current, constant voltage, or constant resistance modes, and includes built-in voltage, current, power measurement, and waveform digitization capabilities for testing multiple output DC power supplies and DC-DC converters.

SPECIFICATIONS

Physical

Operating Temperature	0 to +55 °C
Weight	4.08 kg kg
Required Mainframe Slots	2

Input Ratings

Maximum Input Power	600 W
Input Voltage Range	0 - 60 V
Maximum Input Current	0 - 120 A

Constant Current (CC) Mode

High Current Range	120 A
Low Current Range	12 A

Constant Voltage (CV) Mode

High Voltage Range	60 V
Low Voltage Range	6 V

Control and Interfaces

Host Mainframe Compatibility	N3300A, N3301A
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General

Operating Modes	Constant Current (CC), Constant Voltage (CV), Constant Resistance (CR)
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Performance

Transient Generator Frequency	0.25 Hz to 10 kHz
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Safety & Protection

Protection Features	Overvoltage (OVP), Overcurrent (OCP), Overpower (OPP), Overtemperature (OTP)
Maximum Isolation Voltage	±240 Vdc (between any input terminal and chassis ground)

TECHNOLOGY

DC Electronic Load

APPLICATIONS

Power Supply and DC-DC Converter Testing

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