

KEYSIGHT TECHNOLOGIES (AGILENT HP)

6540 Series - 200W

The Keysight (Agilent/HP) 6540 Series comprises 200W, single-output DC system power supplies designed for general-purpose applications on the bench or in analog-controlled systems. Unlike the related 6640 Series, the 6540 Series models (6541A through 6545A) do not include standard digital interfaces like GPIB, relying instead on front-panel and analog control. They offer fast up- and down-programming, remote sensing, and comprehensive overvoltage and overcurrent protection.

SPECIFICATIONS

General

Display	None (Blank front panel; basic system power supply)
Models Included	6541A, 6542A, 6543A, 6544A, 6545A (plus custom variants like 6541A-J04, 6544A-J09, 6545A-J05)

Physical

Power Supply	100 / 120 / 220 / 240 VAC $\pm 10\%$, 47 to 63 Hz
Operating Temperature	0 to 55 °C °C
Dimensions (W×H×D)	425.5 × 88.1 × 439 mm mm
Weight	14.2 kg kg

Output Ratings

Number of Outputs	1
Maximum Output Power	200 W (nominal)
Output Voltage Range	0 to 8 V / 20 V / 35 V / 60 V / 120 V (model dependent)
Output Current Range	0 to 20 A / 10 A / 6 A / 3.5 A / 1.7 A (model dependent)
Overvoltage Protection	Yes
Overcurrent Protection	Yes

Interfaces and Connectivity

Analog Programming	Yes (Voltage and Current)
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Supplemental Characteristics

Remote Sense	Yes
Parallel Operation	Yes
Series Operation	Yes

Input Power

AC Input Frequency	47 to 63 Hz
AC Input Voltage	100 / 120 / 220 / 240 VAC $\pm 10\%$ (configuration/option dependent)

Connectivity

Output Terminals	Rear panel
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Performance

Isolation (Floating Voltage)	±240 Vdc maximum (any output terminal to chassis ground)
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Software & Control

Programming Language	SCPI
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Physical & Environmental

Cooling	Variable speed fan
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TECHNOLOGY

DC Power Supply

APPLICATIONS

Benchtop test and analog-controlled system applications

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