

KEYSIGHT TECHNOLOGIES (AGILENT HP)

6640 Series - 200W

The Keysight (formerly Agilent / HP) 6640 Series comprises fully programmable, single-output 200W DC system power supplies designed to increase test throughput in design verification and production environments. The series features low-noise outputs, built-in measurement capabilities, and versatile remote programming via GPIB or RS-232 with SCPI command support. It also includes analog control functionality and a serial link feature to control up to 16 units through a single GPIB address.

SPECIFICATIONS

General

Interfaces	GPIB, RS-232
Output Isolation	±240 Vdc (maximum from either output terminal to chassis ground)

Physical

Power Supply	100 / 120 / 220 / 240 VAC ±10% (configuration dependent), 47-63 Hz
Operating Temperature	0 to +55 °C °C
Weight	9.0 kg kg
Cooling	Fan cooled (thermostatically controlled)

DC Output Ratings

Maximum Output Power	200 W (class nominal)
Number of Outputs	1 (Single Output)
Model 6641A Output Ratings	0 to 8 V, 0 to 20 A
Model 6642A Output Ratings	0 to 20 V, 0 to 10 A
Model 6643A Output Ratings	0 to 35 V, 0 to 6 A
Model 6644A Output Ratings	0 to 60 V, 0 to 3.5 A
Model 6645A Output Ratings	0 to 120 V, 0 to 1.5 A

Connectivity and Interfaces

Remote Control Interfaces	GPIB, RS-232
Programming Language	SCPI
Analog Programming	Output voltage and current control
Serial Link Capability	Control up to 16 supplies through one GPIB address

Supplemental Characteristics

Parallel Operation Capability	Supported
Series Operation Capability	Supported
Built-in Measurements	Yes (Voltage and Current readback)
Output Characteristics	Fast, low-noise outputs
Safety Features	DUT safety protection features

Environmental

Storage Temperature	-40 to +75 °C
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Performance

Command Processing Time	20 ms (average)
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Inputs & Outputs

Output Terminals	Rear panel
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Power

AC Input Frequency	47 to 63 Hz
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Options

Option 100	87 to 106 VAC Input
Option 120	104 to 127 VAC Input
Option 220	191 to 233 VAC Input
Option 240	209 to 250 VAC Input
Option 760	Isolation and Reversal Relays
Option 908	Rackmount Kit
Option 909	Rackmount Kit with Handles

TECHNOLOGY

Programmable DC Power Supply

APPLICATIONS

Test and Measurement, 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.