

KEYSIGHT TECHNOLOGIES (AGILENT HP)

6670 Series - 2000W

The Keysight Technologies (Agilent HP) 6670 Series - 2000W is a line of programmable DC system power supplies known for excellent reliability, low ripple and noise, and accurate built-in measurements.

SPECIFICATIONS

General

Interfaces	GPIO, Analog (monitoring and control)
Display	4-digit LED (Voltage and Current)

Physical

Power Supply	100 / 120 / 220 / 240 VAC (+10%, -15%), 47-63 Hz, 3200 VA max
Operating Temperature	0 to 50 °C °C
Dimensions (W×H×D)	426 × 132.6 × 622 mm mm
Weight	37.2 kg kg
Cooling	Fan-cooled

Output Ratings

Maximum Power	2000 W
Number of Outputs	1

Remote Control and Interfaces

GPIO Interface	Yes
SCPI Compatibility	Yes
Driver Support	Available
Analog Control Inputs	Yes (Output Voltage and Current)
Analog Monitoring Outputs	Yes (Output Voltage and Current)
Serial Link System	Controls up to 16 supplies via one GPIO address

Protection Features

Over Voltage Protection (OVP)	Yes
Over Current Protection (OCP)	Yes

General Features

Output Flexibility	Parallel and series connections of multiple supplies
Front Panel Control	Yes
Advanced Programmable Features	Yes

Physical Characteristics

Rack Mount Kit Availability	Optional
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Ordering Information

Models in Series	6671A, 6672A, 6673A, 6674A, 6675A, and various -J options
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Output Performance

Voltage Load Regulation	<0.01% + 2 mV
Current Load Regulation	<0.05% + 10 mA
Voltage Line Regulation	<0.01% + 2 mV
Current Line Regulation	<0.05% + 10 mA
Transient Response	<2 ms (recovery to within 0.1% of V _{out})
Remote Sensing	Yes, front and rear terminals

Programming & Metering

Voltage Programming Accuracy	0.05% of setting + 20 mV
Current Programming Accuracy	0.2% of setting + 20 mA
Voltage Meter Accuracy	0.05% of reading + 20 mV
Current Meter Accuracy	0.1% of reading + 20 mA

Environmental

Storage Temperature	-40 to 70 °C
Humidity	0 to 95% RH, non-condensing

Regulatory Compliance

Safety Compliance	UL 3111-1, CSA 1010.1, EN 61010-1
EMC Compliance	EN 61326-1, CISPR 11 Group 1 Class A

Power Input

AC Input Voltage	200-208 VAC (3-phase) or 400-415 VAC (3-phase), configuration dependent
AC Input Frequency	47-63 Hz

Programming Characteristics

Voltage Programming Resolution	10 mV
Current Programming Resolution	10 mA

Measurement Characteristics

Voltage Meter Resolution	10 mV
Current Meter Resolution	10 mA

Output Characteristics

Output Isolation	±240 Vdc output to chassis ground
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TECHNOLOGY

Programmable DC Power Supply

APPLICATIONS

Test & Measurement

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