

KEYSIGHT TECHNOLOGIES (AGILENT HP)

6032A

The Keysight/Agilent/HP 6032A is a single-output, autoranging programmable DC system power supply in the 6030 Series. It provides up to 1064 W across a wide operating envelope with 0–60 V and 0–50 A ranges, GPIB control, analog/resistance programming, built-in measurements, and support for series and auto-parallel operation in large test systems.

SPECIFICATIONS

General

Interfaces	GPIB (IEEE-488); analog/resistance programming (remote control)
Display	Dual 3.5-digit LED meters (voltage and current)

Physical

Power Supply	100/120/220/240 VAC $\pm 10\%$, 47–63 Hz
Operating Temperature	0 to 55 °C °C
Cooling	Forced-air (internal fan)

DC Output Specifications

Output Type	Single-output autoranging DC
Number of Outputs	1
Output Voltage Range	0 – 60 V
Output Current Range	0 – 50 A
Maximum Output Power	1000 W (autoranging)
Operating Modes	Constant Voltage (CV) / Constant Current (CC) with automatic crossover
Output Voltage Setting Range	0 – 60 V
Output Current Setting Range	0 – 50 A
Readback Voltage Range	0 – 60 V
Readback Current Range	0 – 50 A
Built-in Measurements	Voltage and current readback (metering)
Output On/Off Control	Front panel and remote (GPIB)
Autoranging Output Characteristic	Maintains up to 1000 W across the 0–60 V / 0–50 A operating envelope

Remote Sensing and Output Configuration

Series Operation Capability	Supported
Parallel Operation Capability	Supported (auto-parallel)
Remote Sense Capability	Yes (remote voltage sensing)

Connectivity and I/O

GPIO (IEEE-488) Interface	Provided (remote programming and readback)
Output Termination Style	Rear high-current terminals/bus bars

Programming and Control

Analog/Resistance Programming	Supported for voltage and current
Local/Remote Control Selection	Front panel or remote (GPIO/analog)

Protection and Safety Functions

Short-Circuit Protection	Inherent via CC mode (output withstands short)
Overcurrent Protection	Constant current limiting (programmable)

User Interface

Status Indicators	CV/CC front-panel annunciators
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Protection

Overvoltage Protection	Adjustable OVP
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APPLICATIONS

Automated test systems; production test; high-current/high-power DC sourcing in system racks.

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