KEYSIGHT TECHNOLOGIES (AGILENT HP)

6550 Series - 500W

The Keysight (formerly Agilent / HP) 6550 Series comprises reliable, 500 W single-output DC power supplies designed to streamline common test tasks and accelerate throughput. Unlike the sibling 6650 Series, the 6550 Series models do not include standard digital interfaces (such as GPIB or RS-232), and are controlled exclusively via the front panel or analog programming. They feature fast up- and down-programming, low ripple and noise, and built-in device protection such as overvoltage protection (OVP), overcurrent protection (OCP), and remote sensing.

SPECIFICATIONS

General

Interfaces	Analog programming only
Display	Blank front panel
Base Models	6551A (8V/50A), 6552A (20V/25A), 6553A (35V/15A), 6554A (60V/9A), 6555A (120V/4A)

Physical

Power Supply	100, 120, 220, or 240 VAC ±10% (factory configured by option), 47 to 63 Hz
Operating Temperature	0 to 55 °C

DC Output Ratings

Number of Outputs	1
Maximum Output Power	400 W to 540 W (model dependent; 500 W class)
Output Voltage Range	0 - 8 V to 0 - 120 V (model dependent)
Output Current Range	0 - 4 A to 0 - 50 A (model dependent)

Dynamic Characteristics

Programming Speeds	Fast up- and down-programming

Protection Features

Overvoltage Protection (OVP)	Yes
Overcurrent Protection (OCP)	Yes

Supplemental Characteristics

Remote Sense	Yes
Auto-Parallel Capabilities	Supported
Auto-Series Capabilities	Supported

Connectivity and Interfaces

Analog Programming (Voltage)	Supported
Analog Programming (Current)	Supported
Digital Interfaces (GPIB / RS-232)	Not included

Environmental

Storage Temperature	-40 to 75 °C

Physical & Environmental

Cooling	Thermostatically controlled fan

APPLICATIONS

System Power / Automated Test Equipment (ATE)