

## POWER SUPPLIES

Multiple-Output System Power Supplies, 40 to 80 W HP 6621A, 6622A, 6623A, 6624A, 6627A

- · 2, 3, or 4 independent isolated outputs
- · Dual-range linear outputs
- · Low ripple and noise
- · Fast up- and down-programming







Specifications (at 0" to 55" Cunless otherwise specified)

		and the same of th	40-W output	40-W autput	80-W output	90-W output
Output pawer	Low-range volts, amps		0507 V, 0 to 5 A	0 to 20 V, 0 to 2 A	0 to 7 V. 0 to 10 A	0 to 20 V; 0 to 4 A
	High-range votes, amps.		0 to 20 V, 0 to 2 A	0 to 90 V, 0 to 0.8 A	0 to 20 V, 0 to 4 A	010 5d V, 0 to 2 A
Guiput combinations for each Heavest-Proteatd model (bots) number of outputs)	HP 6621A (2)			-	2	970 09 470 10 67
	HP 6622A (3)			-		2
	HP 6623A (3)		1	1	1	
	HP 6524A (4)		2	2		
	HP 6627A (4)			4		
Programming accuracy (at 25° C ± 5° C)	Voltage		19 mV + 0.00%	50 mV + 0.08%	19 mV + 0.06%	50 mW + 6 00%
	Current		50 mA + 0.16%	20 mA + 0.16%	100 mA - 0.16%	40 mA + 0.16%
Ripple and noise (54sh-ta-peek, 20 Hz to 20 MHz; nns, 20 Hz to 10 MHz)	Constant voltage	PHIS	500 aV	500 NV	500 uV	500 µV
		panis-to-penis	3 mV	3 mV:	3 mV	3 m//
	Constant currect	mn4	1 mA	t mA	1 m/s	1 mA
Readback accuracy (#125" C ±5" C)	Voltage		20 mV + 0.65%	50 mV + 0.05%	20 mV + 0.05%	50 mV + 0.09%
	+ Current		10 mA + 0.1%	# mtA + m.tm	20 mA + 0.1%	0 mA + 0.1%
	- Current		25 mA + 0.2%	8 mA + 0.2%	50 mA + 0.2%	20 mA + 0.2%
Lord regulation	Voltage		2:00	2 m/V	2 11/9	2 807
	Current		1:mA	0.5 mA	2 hA	1 atA
Lead cross regulation	Voltage		1 mV	2.5 mV	tey	2.5 mV
	Current		1 mA	0.5 mA	2 mA	1 mA
Line regulation	Voltage		0.01% + 1 mV	0.01% + 1 mV	.0.01% - 1 mV	0.01% + 1 mV
	Compril		0.00% + 1 mA	0.06% + 1 mA	0.00% + 1 mA	0.08% + 1 mA

Transient Response Time: Less than 75 µs for the output to recover to within 75 mV of nominal value following a load change within specifications.

Supplemental Characteristics (Non-warranted characteristics determined by design and useful in applying the product.)

The state of the s		40-W output	40-W output	80-W output	80-W output
Average programming resolution	- Voltage	6 mV	15 mV	6 mV	15 mV
	Current	25 mA	10 mA	50 mA	20 mA
	OVI	100 mV	250 mV	100 mV	250 ml/
Output programming response time dimeto sotio within 0.1% of full social output, after Vset command has been processed)		2ms	6 ms	S me	8 ma

DC Floating Voltage: All outputs can be floated up to ± 240 Vdc

from chassis ground.

Remote Sensing: Up to 1-V drop per load lead. The drop in the load

leads is subtracted from the voltage available for the lead.

Command Processing Time: 7 ms typical with front-panel display. disabled.

Down Programming: Current sink limits are fixed approximately 10% higher than source limits for a given operating voltage above

Input Power; 550 W max

HP-IB Interface Capabilities: SHI, AHI, T6, L4, SRI, RLI, PPI, DCL DTD

Regulatory Compliance: Listed to UL 1244; certified to CSA 556B; conforms to IEC 348; carries the CE mark

RFI Suppression: Complies with CISPR-II Group I Class B Size: 425.5 mm W × 132.6 mm H × 497.8 mm D (16.75 in × 5.22 in ×

Weight: Net, 17.4 kg (38 lb); shipping, 22.7 kg (50 lb) Warranty Period: Three years

Key Features (for more information, see page 198)

- HP-1B programming of voltage and current
- Measured voltage and current readback over the HP-IB
- Two outputs can be connected in parallel or in series.
- Automatic selection of operating voltage and current range · Programmable overvoltage and overcurrent protection
- · Overtemperature protection

- · Self-test occurs at power-on or from an HP-IB command
- Electronic calibration via HP-IB
- · 10 store-recall states
- Option 750 for relay control and DFI/RI

## Key Literature

1994/95 Power Products Catalog, p/n 5091-9593.

Ordering Information	Price
HP 6621A Dual-Output System Supply HP 6622A Dual-Output System Supply	54,285
HP 6623A Triple-Output System Supply	\$4,285 \$4,795
HP 6624A Quad-Output System Supply	\$5,300
HP 6627A Quad-Output System Supply	\$5,300
Option Descriptions	Selections
Standard: 104 to 127 Vac, 47 to 66 Hz, 5.4A	
Opt 100 87 to 106 Vac, 47 to 66 Hz Input, 6.3A	50
(Japan only)	- SS
Opt 220 191 to 233 Vac, 47 to 66 Hz, 3.0A	50
Opt 240 209 to 250 Vac. 47 to 66 Hz, 3.0A	- 50
Opt 750 Protection Features and Relay Control	\$280
Opt 908 Rack Mount Kit (HP p/n 5062-3977)	\$41
Opt 909 Rack Mount Kit with Handles	592
(HP p/n 5062-3983)	10,7,9
Opt 910 Service Manual (HP p/n 5957-6379) and	356
Extra Operating Manual (HP p/n 5957-6377).	
Standard unit is shipped with operating manual only.	