

The selection of a power supply for today's electronic system requires careful evaluation. Sophisticated system electronics have placed new demands on the supply and, as always, the power supply is the very heart of the system. If it stops delivering power, the system stops. In your selection consider not only the obvious technical and cost considerations, but also the less tangible product factors that are provided for your OEM dollar.

Quality

Hewlett-Packard OEM supplies are thoroughly proven before they are introduced. Each product goes through a development cycle consisting of Engineering Breadboard, Lab Prototype and Production Pilot Runs. At each phase the units are evaluated for safety, specification compliance, environmental performance, workmanship, and serviceability. Before introduction as new products, all models undergo formal environmental testing in multiple tests including hi-pot, altitude, operating temperature, humidity, vibration, shock, EMC, this many tests again and more.

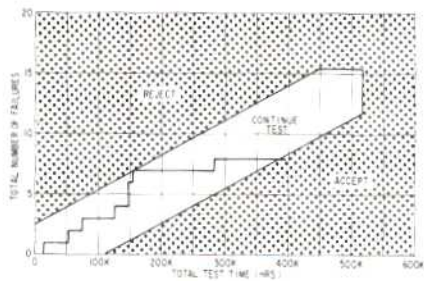
MTBF

We employ a comprehensive and conservative method of determining Mean Time Between Failure (MTBF). A component data base is maintained to provide actual component failure statistics and the MTBF is adjusted to reflect the actual working environment in which the components operate. Calculated MTBF objectives are confirmed with life tests.

As an illustration of HP's commitment to reliability, the 395,000 unit hours of life-test data for the 65105A, 50 Watt power supply

is presented below per MIL-781B, Test Plan III. The data demonstrates with 90% confidence a 25,000 hour MTBF at 50°C and more than 100,000 hours at room ambient conditions.

Life Test Acceptance Curve—65105A



The 395,000 unit-hours represents a full year of testing 58 power supplies. It predicts an operating life of more than 20 years in typical applications. It's part of our commitment to you.

Safety

To assist you in complying with safety regulations, all HP modular power supplies are designed to meet UL specifications. New products are also designed to meet interna-

tional safety regulations (e.g. VDE 0730). HP modular power supplies are UL listed, and a UL yellow card number will be provided upon request.

Service Support

Hewlett-Packard's service support is a major factor in the lasting value of our products. HP is ready to respond to your service needs with extensive world-wide service and spare parts facilities. Staffed by competent technical personnel, these facilities provide fast turn-around-time. All units are shipped with complete Operating and Service Manuals.

Special Designs

In some applications off-the-shelf power supplies will not meet your needs. In these instances, our Specials Engineering is ready to provide product modifications, assembled power systems, or applications assistance to help with your specific requirements. Just let your HP Field Engineer know.

Make or Buy

A crucial question in the make-or-buy decision is whether or not you want to expend the technical and financial resources to design and manufacture your own supplies.

It is important not to underestimate the difficulty involved in a power supply design. When evaluating your technical capabilities keep in mind that modern power supplies are state-of-the-art components. Much time will be required for electrical and mechanical design, prototypes and evaluation, and your engineers will be diverted from other more productive tasks.

Switching Supplies, AC to DC

50 Watts Card

Model	Output Voltage (Vdc)	Maximum Current (A dc)		100 Qty OEM Price
		40°C	50°C	
65105A	5	10.0	10.0	\$237
65112A	12	4.2	4.2	\$237
65115A	15	3.3	3.3	\$237
65312A	5	10.0	10.0	\$271
	+12	1.5	1.5	
	-15	1.0	1.0	
65315A	5	10.0	10.0	\$271
	+15	1.0	1.0	
	-15	1.0	1.0	
65317A	5	10.0	10.0	\$271
	+18	1.0	1.0	
	-18	1.0	1.0	
65512A	5	10.0	10.0	\$293
	+16	1.0	1.0	
	-16	1.0	1.0	
	+15 to 12	0.3-1.0	0.3-1.0	
	-5 to -12	0.3-1.0	0.3-1.0	
65612A	5	10.0	10.0	\$297
	+16	1.0	1.0	
	-16	1.0	1.0	
	+5 to 12	0.3-1.0	0.3-1.0	
	-5 to -12	0.3-1.0	0.3-1.0	
	-5 to -12	0.1-0.3	0.1-0.3	

110 Watts, Convection Cooled

63005E	5	22	18	\$624
63315E	5	18	15	\$839
	+15	2	1.6	
	-15	2	1.6	

300 Watts, Fan Cooled

62605L	5	60	50	\$817
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500 Watts, Fan Cooled

62605M	5	100	87	\$839
62615M	15	35	30	\$839

550 Watts Fan Cooled

Model	Output Voltage (Vdc)	Maximum Current (A dc)		100 Qty OEM Price
		40°C	50°C	
63312F	5	50	42	\$1032
	+12 to 15	10	8	
	-12 to 15	10	8	
63330F	5	50	42	\$1118
	12 to 15	10	8	
	12 to 15	10	8	
63331F	5	85	70	\$1183
	+12	5	4	
	-12	5	4	
63340F	5	50	42	\$1290
	12 to 15	10	8	
	12 to 15	10	8	
	12 to 15	10	8	
	5	5	4	
63341F	5	35	29	\$1290
	24	5	4	
	12	10	8	
	12	6	5	
63350F	5	35	29	\$1333
	24	5	4	
	-12	9	7	
	12	6	5	
	12	6	5	
	-5	1	1	

Linear Supplies, AC to DC

10-20 Watts, Convection Cooled

62005A	5	2.0	2.0	\$323
62012A	12	1.5	1.5	\$323
62015A	15	1.25	1.25	\$323
62024A	24	0.75	0.75	\$323

40-90 Watts, Convection Cooled

62005E	5	8	8	\$387
62012E	12	6	6	\$387
62015E	15	5	5	\$387
62024E	24	3.75	3.75	\$387

80-200 Watts, Convection Cooled

62005G	5	16	16	\$598
62012G	12	12	12	\$598
62015G	15	10	10	\$598
62024G	24	7.5	7.5	\$598

30-140 Watts, Dual Output, Convection Cooled

62212A	±12	1.41/1.25	—	\$396
62215A	±15	1.25/1.1	—	\$396
62212E	±12	3.3/3	—	\$486
62215E	±15	3/2.75	—	\$486
62212G	±12	6/5	—	\$770
62215G	±15	5.2/4.5	—	\$770