

Modular System DC Power Supplies

MPS Series



Comparison Guide

Mainframes

Company	B&K Precision		Keysight	
Model	MPS1000	MPS1001	N6701C	N6702C
				
List Price	\$2,900	\$3,850	\$4,165	\$5,476
Total Available Power	600 W	1200 W	600 W	1200 W
Cost-per-Watt	\$4.83	\$3.21	\$6.94	\$4.56
Number of Slots	4		4	
Standard I/O Interfaces	USB, GPIB, LAN (LXI)		USB, GPIB, LAN (LXI)	
Front Panel USB Host	✓		-	
Power Consumption	850 VA	1700 VA	1400 VA	2200 VA
Form Factor	IU		IU	
NRTL ⁽¹⁾ Mark	cTUVus certification mark		cTUVus certification mark	
Warranty	3 years		3 years	

(1) Nationally recognized test laboratory such as UL, CSA, TUV (applies to both mainframes and modules.)

Modules

Company	B&K Precision		Keysight	
Model	MPS1103	MPS1304	N6752A	N6776A
				
List Price	\$1,150	\$1,550	\$2,395	\$2,049
Output Power	100 W multi-range	300 W fixed-range	100 W multi-range	300 W fixed-range
Cost-per-Watt	\$11.50	\$5.17	\$23.95	\$6.83
Maximum Output Voltage	60 V	100 V	50 V	100 V
Maximum Output Current	5 A	3 A	10 A	3 A
Load Regulation	0.01% + 3 mV (9 mV)	0.01% + 3 mV (13 mV)	2 mV	45 mV
Ripple and Noise	10 mVpp / 2 mVrms	15 mVpp / 3 mVrms	4.5 mVpp / 0.35 mVrms	45 mVpp / 18 mVrms
Programming Accuracy (Voltage)	0.03% + 16 mV (34 mV)	0.03% + 20 mV (50 mV)	49 mV	200 mV