



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 ^(I) Mark | cTUVus certification mark | | cTUVus certification mark | |
| Warranty | 3 years | | 3 years | |

(I) 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 |