

High Voltage Multi-Range DC Power Supplies MR Series

Company	B&K Precision			Keysight	Chroma	
Model	MR25080	MR50040	MR100020	PVS10005 (not Multi-Range)	N8924A (N8900A series)	62050H-600S (62000H series)
List price	\$5,590			\$4,930	\$8,287	Not published
Output Power	5000 W			5000 W	5000 W	5000 W
Cost-per-Watt	\$1.12			\$0.99	\$1.66	-
Key Features						
Multi-ranging (autorange)	✓			-	✓	✓
Output Rating	250 V / 80 A	500 V / 40 A	1000 V / 20 A	1000 V / 5 A	750 V / 20 A	600 V / 8.5 A
Load Regulation	120 mV / 50 mA	200 mV / 40 mA	250 mV / 25 mA	100 mV / 5 mA	375 mV / 30 mA	Voltage: ± 0.01% F.S. / Current: ± 0.05% F.S.
Ripple and Noise (20 Hz to 20 MHz)	500 mVpp / 20 mArms	600 mVpp / 10 mArms	700 mVpp / 5 mArms	600 mVpp / 10 mArms	800 mVpp / 16 mArms	1500 mVpp / 150 mArms
Rise Time at Full Load	30 ms	30 ms	30 ms	250 ms	30 ms	30 ms
Command Response Time	10 ms (typical)			20 ms	25 ms	20 ms
Programming Accuracy	100 mV / 60 mA	300 mV / 50 mA	500 mV / 25 mA	700 mV / (0.03% of output + 2 mA)	750 mV / 40 mA	600 mV / 25 mA
Protection	OVP / OCP / OTP / OPP			OVP / OCP / OTP / OPP	OVP / OCP / OTP	OVP / OCP / OTP
Internal List Programming	✓			✓	-	✓
LXI compliant	✓			-	✓	-
Solar Array Simulation	✓			✓	-	✓
General						
Form Factor	2U			2U	3U	3U
Standard I/O Interfaces	USB (TMC/VCP), LAN (LXI), GPIB, RS232, Analog			USB (VCP), LAN, GPIB, RS232, Analog	USBTMC, LAN (LXI), GPIB, Analog	USB, RS232, Analog
AC Input	Single-phase			Single-phase	Three-phase	Three-phase
Rack-mountable	✓			✓	✓	✓
NRTL ⁽¹⁾ mark	cTUVus certification mark			-	cTUVus certification mark	-
Warranty	3 years			3 years	3 years	1 year

(1) Nationally recognized test laboratory such as UL, CSA, TUV
Keysight list prices and specifications as of 03-03-2020 on www.keysight.com