

High Voltage Multi-Range DC Power Supplies

MR Series

Company	B&K Precision					Keysight	Chroma	
Model	MR3K160120	MR160120	MR25080	MR50040	MR100020	9117 (discontinued)	N8924A (N8900A series)	62050H-600S (62000H series)
List price	\$3,990	\$5,590	\$5,590			\$3,650	\$9,101	Not published
Output Power	3000 W	5000 W	5000 W			3000 W	5000 W	5000 W
Cost-per-Watt	\$1.33	\$1.12	\$1.12			\$1.22	\$1.82	-
Key Features								
Multi-range (autorange)	✓		✓			✓	✓	✓
Output Rating	160 V / 120 A		250 V / 80 A	500 V / 40 A	1000 V / 20 A	80 V / 120 A	750 V / 20 A	600 V / 8.5 A
Load Regulation	80 mV / 180 mA		120 mV / 50 mA	200 mV / 40 mA	250 mV / 25 mA	70 mV / 150 mA	375 mV / 30 mA	Voltage: ± 0.05% F.S. / Current: ± 0.1% F.S.
Ripple and Noise (20 Hz to 20 MHz)	120 mVpp / 120 mArms	160 mVpp / 160 mArms	500 mVpp / 20 mArms	600 mVpp / 10 mArms	700 mVpp / 5 mArms	≤ 80 mVpp / 120 mArms	800 mVpp / 16 mArms	1500 mVpp / 150 mArms
Rise Time at Full Load	30 ms		30 ms	30 ms	30 ms	-	30 ms	30 ms
Command Response Time	10 ms (typical)		10 ms (typical)			-	25 ms	20 ms
Programming Accuracy	160 mV / 360 mA		100 mV / 60 mA	300 mV / 50 mA	500 mV / 25 mA	700 mV / 360 mA	750 mV / 40 mA	600 mV / 25 mA
Protection	OVP / OCP / OTP / OPP / key-lock					OVP / OPP / OTP / key-lock	OVP / OCP / OTP / key-lock	OVP / OCP / OTP / key-lock
Internal List Programming			✓			Requires software	-	✓
LXI compliant			✓			-	✓	-
Solar Array Simulation			✓			-	-	✓
General								
Form Factor	2U					2U	3U	3U
Standard I/O Interfaces	USB (USBTMC and VCP), LAN (LXI), GPIB, RS232, Analog					USBTMC, LAN, GPIB, RS232, RS485, Analog	USBTMC, LAN (LXI), GPIB, Analog	USBTMC, 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					1 year	3 years	1 year

(1) Nationally recognized test laboratory such as UL, CSA, TUV
 Keysight list prices and specifications as of 06-30-2021
 Technical data subject to change, © B&K Precision Corp.2021