

Benchtop DC Electronic Loads 8550 Series

Company	B&K Precision			Keysight		Chroma
Model	8550	8551	8542B	EL33133A	EL34143A	63004-150-60
List Price	\$890	\$1,290	\$990	\$2,212	\$2,703	\$1,860.49
Input Ratings	150 V / 30 A / 175 W	150 V / 60 A / 350 W	150 V / 30 A / 150 W	150 V / 40 A / 250 W	150 V / 60 A / 350 W	150 V / 60 A / 350 W
Cost-per-Watt	\$5.02	\$3.69	\$6.50	\$8.85	\$7.72	\$5.32
Features						
Form Factor	2U half-rack		2U half-rack	3U		2U half-rack
Operating Modes	CC/CV/CR/CW		CC/CV/CR/CW	CC/CV/CR/CW		CC/CV/CR/CW/CZ
Transient Mode	20 kHz		Adjustable up to 10 kHz	-		-
Max. CC Mode Accuracy	± (0.05% + 0.05% F.S.)		± (0.05% + 0.05% F.S.)	0.05% + 820 µA(0.002% F.S.)	0.04% + 130 µA(0.0002% F.S.)	± (0.05% + 0.05% F.S.)
Max. CC/CV Mode Setting Resolution	0.05 mA / 0.2 mV	0.1 mA / 0.2 mV	0.1 mA / 1 mV	0.045 mA / 0.17 mV	0.007 mA / 0.17 mV	0.1 mA / 1 mV
Max Measurement Resolution	0.1 mA / 1 mV		0.1 mA / 0.1 mV	0.070 mA / 0.27 mV	0.015 mA / 0.27 mV	0.1 mA / 1 mV
Front Panel	4.3-inch LCD screen, front panel sense terminals, USB host port		Dual row VFD (segmented display)	4.3-inch LCD screen, front panel sense, USB host port		LCD screen, front panel sense, USB host port
	Multi-type spade or banana plug input terminals		Multi-type spade or banana plug input terminals	Spade/wire insert type only		Multi-type spade or banana plug input terminals
I/O Interfaces	RS232		DB9 (TTL) interface with USB adapter	USB, LAN (LXI) standard, GPIB optional		USB standard (LAN and GPIB optional)
Protection	OVP/OCP/OPP/remote reverse voltage (RRV)		OVP/OCP/OPP/OTP/reverse polarity	OVP/OCP/OPP		OV warning/OCP/OPP/OTP/reverse polarity
General						
Operating Software	Operating software and battery test software provided		Operating software and battery test software provided	PathWave BenchVue (\$50/yearly)		-
Warranty	3 years		3 years	3 years		90 days