Programmable DC Electronic Loads
HVL Series

Comparison Guide

Company	B&K Precision							Chroma [1]	
Model	**HVL150250**	**HVL600150**	**HVL80075**	**HVL100025**	**HVL600300**	**HVL800150**	**HVL100050**	**63203A-600-210**	**63206A-600-420**
									
List Price	**$5,500**	**$9,293**			**$15,015**			**> $13,300**	**> $18,000**
Max. Power	2 kW	3 kW			6 kW			3 kW	6 kW
Voltage / Current Input Ratings	150 V / 250 A	600 V / 150 A	800 V / 75 A	1000 V / 25 A	600 V / 300 A	800 V / 150 A	1000 V / 50 A	600 V / 210 A	600 V / 420 A
Features									
Form Factor	3U				5U			3U	4U
Operating Modes	CC/CV/CR/CW							CC/CV/CR/CW/CZ/CR+CC/CR+CV/CC+CV	
Max. CC Mode Accuracy	0.05% + 0.05% F.S.							0.05% + 0.05% F.S.	
Minimum Operating Voltage	1.5 V	3.5 V	2.0 V	3.5 V	3.5 V	2.0 V	3.5 V	14 V	
Protection	OVP/OCP/OPP/reverse voltage protection/current oscillation protection							OV warning/OCP/OPP/OTP/reverse polarity	
Additional Functions	List mode, transient mode, adjustable voltage/current slew rates, external analog control, parallel operation, front panel USB port							User-defined waveforms, battery discharge test, list mode, parallel operation, data logging (digitizing function), analog control, adjustable current slew rate, transient mode, front panel USB port	
General									
Operating Software	Operating software and battery test software provided							Softpanel operating software provided	
I/O Interfaces	USB, LAN, RS232, and GPIB standard							USB standard (LAN and GPIB opt)	
Weight	48.5 lbs (22 kg)				73.8 lbs (33.5 kg)			66 lbs (30 kg)	77.2 lbs (35 kg)
Warranty	3 years							3 years	

(1) The Chroma 63200A Series comprises of models ranging from 2 kW to 24 kW and 60 V to 1200 V respectively. Exact list price for Chroma models are not officially published.

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Programmable DC Electronic Loads
HVL Series - 2 kW Range

BK PRECISION

Comparison Guide

Company	B&K Precision		Chroma
Model	**HVL150250**	**8614**	**63202A-150-200**
			
List Price	**$5,500**	**$4850**	**Not listed**
Max. Power	2000 W	1500 W	2000 W
Voltage / Current Input Ratings	150 V / 250 A	120 V / 240 A	150 V / 200 A
Cost-per-Watt	$2.75	$3.23	-
Features			
Form Factor	3U		3U
Operating Modes	CC/CV/CR/CW		CC/CV/CR/CW/CZ/CR+CC/CR+CV/CC+CV
Max. CC Mode Accuracy	0.05% + 0.05% F.S.		0.05% + 0.05% F.S.
Minimum Operating Voltage	1.5 V		1.8 V
Front Panel	USB host port for data logging and 4.3-inch display	Dual row dot-matrix display	Dot-matrix display
Protection	OVP/OCP/OPP/OTP/OCL/OPL/Under voltage lockout, reverse voltage protection/oscillation detection	OVP/OCP/OPP/OTP/reverse voltage protection	OV warning/OCP/OPP/OTP/reverse polarity
Additional Functions	List mode, transient mode, adjustable voltage/current slew rates, external analog control, parallel operation,	List mode, transient mode, adjustable current slew rate, external analog control, parallel operation,	User-defined waveforms, battery discharge test, list mode, parallel operation, data logging (digitizing function), analog control, adjustable current slew rate,, transient mode, front panel USB port
General			
Operating Software	Operating software and battery test software provided		Softpanel operating software provided
I/O Interfaces	USB, LAN, RS232, and GPIB standard	USB, RS232, and GPIB standard	USB standard (LAN and GPIB opt)
Weight	48.5 lbs (22 kg)	54 lbs (24.6 kg)	66 lbs (30 kg)
NRTL mark	cTUVus certification mark	-	-
Warranty	3 years		3 years

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High Voltage DC Electronic Loads
High Current Range

Comparison Guide

Company	B&K Precision				Chroma	
Model	**HVL150480**	**HVL150750**	**8620**	**8625**	**63203A-150-300**	**63206A-150-600**
						
List Price	**$8,390**	**$13,650**	**$9,650**	**$17,200**	**Not listed**	**Not listed**
Max. Power	3 kW	6 kW	3 kW	6 kW	3 kW	6 kW
Voltage / Current Input Ratings	150 V / 480 A	150 V / 750 A	120 V / 480 A	120 V / 720 A	150 V / 300 A	150 V / 600 A
Cost-per-Watt	$2.79	$2.28	$3.21	$2.87	-	-
Features						
Form Factor	3U	5U	3U	6U	3U	4U
Operating Modes	CC/CV/CR/CW		CC/CV/CR/CW		CC/CV/CR/CW/CZ/CR+CC/CR+CV/CC+CV	
Max. CC Mode Accuracy	0.05% + 0.05% F.S.		0.05% + 0.05% F.S.	0.1% + 0.1% F.S.	0.05% + 0.05% F.S.	
Minimum Operating Voltage	1.5 V		2 V	1.8 V	1.8 V	
Front Panel	USB host port for data logging and 4.3-inch display		Dual row dot-matrix display		Dot-matrix display	
Protection	OVP/OCP/OPP/OTP/OCL/OPL/Under voltage lockout, reverse voltage and current protection/oscillation detection		OVP/OCP/OPP/OTP/reverse voltage protection		OV warning/OCP/OPP/OTP/reverse polarity	
Additional Functions	List mode, transient mode, adjustable voltage/current slew rates, external analog control, parallel operation		List mode, transient mode, adjustable current slew rate, external analog control, parallel operation		User-defined waveforms, battery discharge test, list mode, parallel operation, data logging (digitizing function), analog control, adjustable current slew rate,, transient mode, front panel USB port	
General						
Operating Software	Operating software and battery test software provided		Operating software and battery test software provided		Softpanel operating software provided	
I/O Interfaces	USB, LAN, RS232, and GPIB standard		USB, RS232, and GPIB standard		USB standard (LAN and GPIB opt)	
Weight	48.5 lbs (22 kg)	92.4 lbs (41.9 kg)	54 lbs (24.6 kg)	142 lbs (64.4 kg)	66 lbs (30 kg)	77.2 lbs (35 kg)
NRTL mark	cTUVus certification mark		-		-	
Warranty	3 years				3 years	