

## HVL Series

### Comparison Guide

| Company                         | B&K Precision                                                                                                                       |               |              |               |                                                                                    |               |               | Chroma <sup>(1)</sup>                                                                                                                                                                                  |                                                                                     |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------|---------------|------------------------------------------------------------------------------------|---------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Model                           | HVL150250                                                                                                                           | HVL600150     | HVL80075     | HVL100025     | HVL600300                                                                          | HVL800150     | HVL100050     | 63203A-600-210                                                                                                                                                                                         | 63206A-600-420                                                                      |
|                                 |                                                    |               |              |               |  |               |               |                                                                                                                     |  |
| List Price                      | 4.800 €                                                                                                                             | 8.200 €       |              |               | 13.200 €                                                                           |               |               | > 11.500 €                                                                                                                                                                                             | > 15.680 €                                                                          |
| 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/OCPP/OPP/reverse voltage protection/current oscillation protection                                                              |               |              |               |                                                                                    |               |               | OV warning/OCPP/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.

## HVL Series - 2 kW Range

### Comparison Guide

| Company                         | B&K Precision                                                                                                  |                                                                                                       | Chroma                                                                                                                                                                                                 |
|---------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                           | HVL150250                                                                                                      | 8614                                                                                                  | 63202A-150-200                                                                                                                                                                                         |
|                                 |                               |                     |                                                                                                                     |
| List Price                      | 4.800 €                                                                                                        | 4.290 €                                                                                               | 6.840 €                                                                                                                                                                                                |
| 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                   | 2,40 €                                                                                                         | 2,86 €                                                                                                | -                                                                                                                                                                                                      |
| <b>Features</b>                 |                                                                                                                |                                                                                                       |                                                                                                                                                                                                        |
| 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 |
| <b>General</b>                  |                                                                                                                |                                                                                                       |                                                                                                                                                                                                        |
| 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                                                                                                                                                                                                |