

Programmable DC Electronic Loads 8600/B Series



The 8600/B Series programmable DC electronic loads provide the performance of modular system DC electronic loads in a compact benchtop form factor. With fast transient operation speeds and high I6-bit measurement resolution, these standalone DC loads can be used for testing and evaluating a variety of DC sources such as DC power supplies, DC-DC converters, batteries, battery chargers, and photovoltaic arrays.

The DC loads can operate in constant current (CC), constant voltage (CV), constant resistance (CR), or constant power (CW) mode and be configured to provide a dynamically changing load to the DC source with fast load switching times. Versatile internal, external, and remote triggering options allow the dynamic load behavior to be synchronized with other events.

Increase productivity by saving your test parameters into any one of the 100 memory areas for quick system recall. All load parameters such as voltage, current, slew rate, and width can be set via the front panel or programmed remotely. The 8600/B Series provides standard USB (USBTMC-compliant) and RS232 interfaces standard for remote communication. GPIB is available as an option on select models. To ensure the reliability of your testing, the 8600/B Series provides a power-on system self-test and numerous protection features: overtemperature (OTP), overvoltage (OVP), overcurrent (OCP), overpower (OPP), and local/ remote reverse voltage (LRV/RRV) protection.

Special applications

The 8600/B Series provides a built-in battery test mode to measure the ampere-hour (Ah) characteristic of a battery and a unique CR-LED mode to simulate the loading behavior of a typical LED.

Features and Benefits

- Voltage range up to 500 V
- Current range up to 720 A
- CC/CV/CR/CW operating modes
- I6-bit voltage and current measurement system providing I mV / 0.1 mA resolution
- Transient mode up to 25 kHz in CC mode
- List mode function



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|-----|-------|----------------------|
| USB | RS232 | GPIB (select models) |

Features and Benefits (cont.)

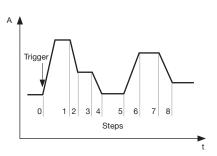
- Store and recall up to 100 setups
- Adjustable slew rate in CC mode
- Flexible triggering options via front panel, external input, timer, or bus
- Built-in battery test function with voltage level, capacity level, and timer stop conditions
- Test modes to validate the OCP/OPP protection functions of a power supply
- CR-LED mode to simulate the loading behavior of typical LEDs
- Remote sense
- Analog current control and monitoring
- Thermostatically controlled fan
- Standard USB (USBTMC-compliant) and RS232 interfaces supporting SCPI commands for remote control
- GPIB optional on select models
- OVP/OCP/OPP/OTP including local and remote reverse voltage (LRV/RRV) protection

| Model | 8600/B* | 8601/B* | 8602/B* | 8610/B* | 8612/B* | 8614/B* | 8616 | 8620 | 8622 | 8624 | 8625 |
|----------------------|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Power | 150 W | 250 W | 200 W | 750 W | 750 W | 1500 W | 1200 W | 3000 W | 2500 W | 4500 W | 6000 W |
| Operating Voltage | 0 – 120 V | 0 – 120 V | 0 – 500 V | 0 – 120 V | 0 – 500 V | 0 – 120 V | 0 – 500 V | 0 – I20 V | 0 – 500 V | 0 – 120 V | 0 – I20 V |
| Rated Current | 0 – 30 A | 0 – 60 A | 0 – 15 A | 0 – 120 A | 0 – 30 A | 0 – 240 A | 0 – 60 A | 0 – 480 A | 0 – 100 A | 0 – 600 A | 0 – 720 A |
| Form Factor | Form Factor 2U half-rack | | | | 3U | | | | | 6U | |

*Model numbers with suffix B (86xxB) do not include a GPIB interface. See ordering information on page 9 for details.

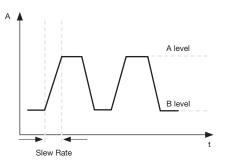
Flexible operation

List mode



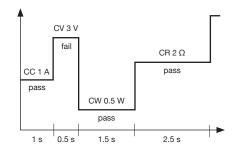
List mode lets you generate more complex sequences of input changes with several different levels. Up to 7 groups of list files can be saved. Each list can contain up to 84 steps with a minimum width time of 20 µs per step.

Transient operation



Transient operation enables the module to periodically switch between two load levels. A power supply's regulation and transient characteristic can be evaluated by monitoring the supply's output voltage under varying combinations of load levels, frequency, duty cycle, and slew rate. Transient operation can simulate these conditions.

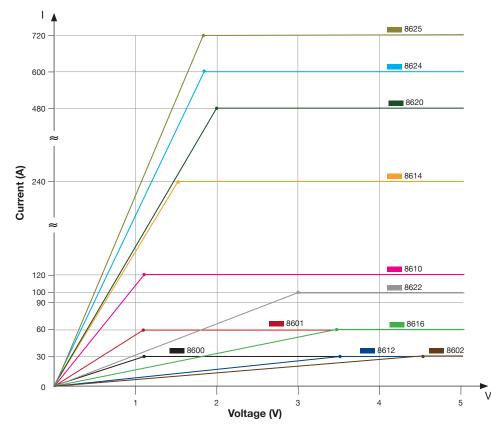
Automatic test mode



The 8600/B Series can execute multiple test sequences in automatic test mode. Up to 100 different sequences can be linked to run steps of various operating modes and loading conditions. Each sequence can also be programmed with upper and lower limit Pass/Fall criteria. When applied in production testing, you can easily judge whether the test parameters of your devices are within the specification limits and adjust your process according to the Pass/Fail verdict.

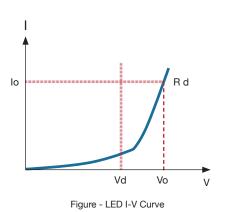
Low voltage operation

The 8600/B Series can operate at low voltages for applications such as fuel cell and solar cell testing.



| Typical minimum operating voltage at full scale current | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|------|------|-------|-------|
| 8600 | 8601 | 8602 | 8610 | 8612 | 8614 | 8616 | 8620 | 8622 | 8624 | 8625 |
| 1.1 V | 1.1 V | 4.5 V | 1.2 V | 3.6 V | 1.5 V | 3.6 V | 2 V | 3 V | 1.8 V | 1.8 V |

CR-LED mode



Vd = Forward voltage of the LED Rd = LED's operating resistance Vo = Operating voltage across the LED Io = Operating current across the LED

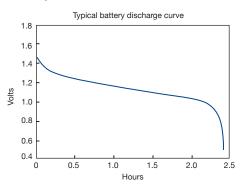
Use the load's unique CR-LED operating mode to test LED drivers. This function allows users to configure the LED's operating resistance and forward voltage along with the voltage range (same as CR operation) to simulate the loading behavior of typical LEDs.

Remote control and programming

Powerful communication interfaces

The 8600/B Series provides standard USB and RS232 interfaces for remote communication. GPIB is available as an option for select models. These interfaces offer SCPI and USBTMC standard communication protocols to control your electronic load from a PC.

Battery test function

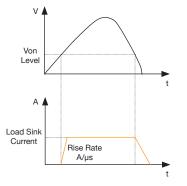


The built-in battery test function uses CC mode to calculate the battery capacity using a fixed current load discharge. Users can specify cut-off voltage level, capacity level, and time stop conditions.

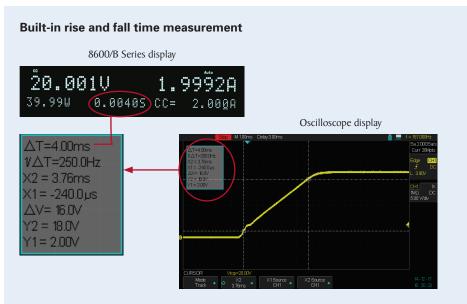
External analog programming and monitoring interface

In addition to front panel and remote interface control, current values can also be programmed with an analog control signal. The electronic loads can be externally controlled from zero to full scale with a 0-10 V input signal. A BNC output is available on the rear for monitoring the current with a 0-10 V output signal.

Voltage-on (Von) latch operation



Control the input turn on state for the DC electronic load by configuring the Von latch function. This can be used to start and stop discharging of a battery or other power source at a specified voltage level.



The 8600/B Series can measure the rise or fall time from a specified start and stop voltage level of the measured input without the need for an oscilloscope. This function can also be used as an internal timer to count how long the input has been enabled.

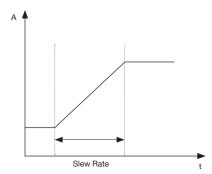
Application software



PC software is provided for front panel emulation, generating and executing test sequences, or logging measurement data without the need to write source code. Additionally, this application software integrates with NI Data Dashboard for LabVIEW[™] apps, which allows users to create a custom dashboard on a tablet computer or smartphone to remotely monitor 8600/B Series DC loads via this PC software.

- Remote monitoring on iOS, Android or Windows 8 compatible tablets or smartphones via NI Data Dashboard for LabVIEW[™] apps
- Log voltage, current, and power values with timestamp
- Run transient operation and list mode programs remotely
- Create an unlimited number of external list files to be executed from PC memory

Adjustable slew rate



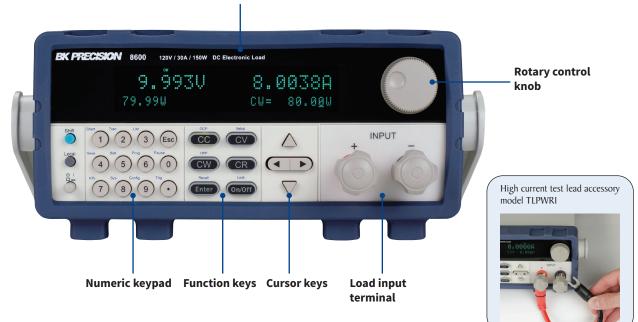
In CC mode, users can control the rate or slope of the change in current in a transient response test. Set the slew rate to as slow as 0.001 A/ms or as fast as 2.5 A/ μ s depending on the model and selected current range. Programmable DC Electronic Loads 8600/B Series

Models 8600/B, 8601/B & 8602/B

Front panel

Bright dual-line display

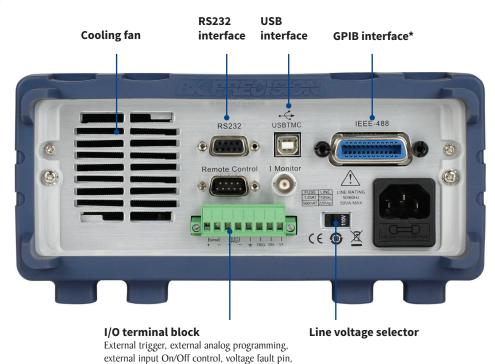
The 8600/B Series display shows both measured input values and set parameters simultaneously.



Intuitive user interface

The numeric keys and rotary knob provide a convenient interface for setting the operating mode and desired current, voltage, and resistance levels quickly and precisely.

Rear panel



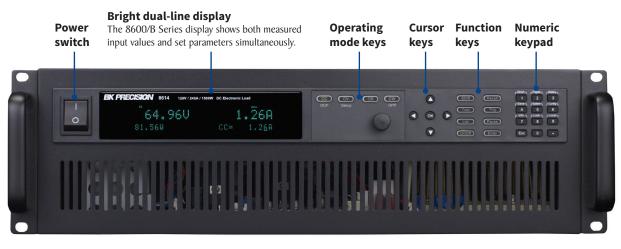
*GPIB optional on select models. See ordering information on page 9 for details.

and remote sense terminals

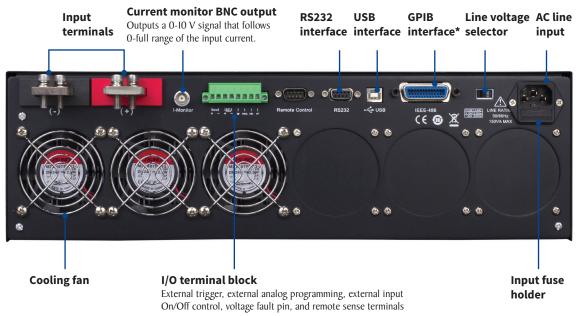
Programmable DC Electronic Loads 8600/B Series

Models 8610/B, 8612/B, 8614/B, 8616, 8620, 8622 (3U)

Front panel



Rear panel



▶ Models 8624 & 8625 (6U)



6U form factor models use the same front panel interface as the 3U models



The rear panel configurations of $6 \mbox{U}$ and $3 \mbox{U}$ models are identical, however the number of fans installed varies by model

*GPIB optional on select models. See ordering information on page 9 for details.

Specifications

| Мо | del | 8600/B | 8601/B | 8602/B | Readback voltag | je | | | | |
|--------------------------------------|--------|------------------------|------------------------------------|------------------------|-----------------------------------|-------------------|---|---|-----------------------|--|
| Input ratings | | | | | D | Low | 0 – 18 V | 0 – 18 V | 0 – 50 V | |
| Input ve | oltage | 0 – 120 V | 0 – 120 V | 0 – 500 V | Range | High | 0 – I20 V | 0 – I20 V | 0 – 500 V | |
| Input | Low | 0 – 3 A | 0 – 6 A | 0 – 3 A | Develoption | Low | 0.1 mV | | l mV | |
| current | High | 0 – 30 A | 0 – 60 A | 0 – 15 A | Resolution | High | I | mV | I0 mV | |
| Input p | oower | 150 W | 250 W | 200 W | Accurac | y | | ±(0.05%+0.05% FS |) | |
| Minimum | Low | 0.II V at 3 A | 0.18 V at 6 A | I V at 3 A | Readback curren | nt | | | | |
| operating voltage | High | I.I V at 30 A | I.I V at 60 A | 4.5 V at 15 A | Range | Low | 0 – 3 A | 0 – 6 A | 0 – 3 A | |
| CV mode | | | | | | High | 0 – 30 A | 0 – 60 A | 0 – 15 A | |
| | Low | 0 - | 18 V | 0 – 50 V | Resolution Low High | | 0.01 mA | 0.1 mA | 0.01 mA | |
| Range | High | | 20 V | 0 – 500 V | | Accuracy | | I mA | 0.1 mA | |
| | Low | | mV | ImV | Accurac | у | ±(0.05%+ 0.05% FS) | ±(0.05%+ 0.1% FS) | ±(0.05%+ 0.05% FS) | |
| Resolution | High | l i | nV | I0 mV | Readback powe | r | 0.03/010) | 0.170107 | 0.03/01/3/ | |
| | Low | ±(0.05%+ | ±(0.025%+ | ±(0.05%+ | Range | | 150 W | 250 W | 200 W | |
| Accuracy | LOW | 0.02% FS) | 0.05% FS) | 0.025% FS) | Resolution Accuracy | | | I0 mW | I | |
| , | High | ±(0.05%+ 0.025% FS) | ±(0.025%+ 0.05% FS) | ±(0.05%+ 0.025% FS) | | | ±(1%+0.1% FS) | ±(0.2%+0.2% FS) | ±(0.1%+0.1% FS) | |
| CC mode | | 0.025/010/ | 0100/010/ | 0.025/010/ | Protection range | e (typical) | | 1 | | |
| | Low | 0 – 3 A | 0 – 6 A | 0 – 3 A | OPP | | 150 W | 250 W | 200 W | |
| Range | High | 0 – 30 A | 0 – 60 A | 0 – 15 A | OCD | Low | 3.3 A | 6.6 A | 3.3 A | |
| | Low | | 0.1 mA | | OCP | High | 33 A | 66 A | 16.5 A | |
| Resolution | High | | I mA | | OVP | | 120 V | 120 V | 500 V | |
| | Low | | ±(0.05%+0.05% FS |) | OTP | | | 185 °F (85 °C) | | |
| Accuracy | High | | ±(0.05%+0.05% FS |) | Short circuit (ty | pical) | | | | |
| CR mode | U | | | | Current (CC) | Low | 3.3 A | 6.6 A | 3.3 A | |
| _ | Low | 0.05 Ω | – ΙΟ Ω | 0.3 Ω – ΙΟ Ω | | High | 33 A | 66 A | 16.5 A | |
| Range | High | 10 Ω - 7.5 kΩ | | | Voltage (| CV) | | 0 V | | |
| Resolu | ution | | I6 bit | | Resistance | (CR) | 35 mΩ | 30 mΩ | $300 \text{ m}\Omega$ | |
| Accuracy | Low | 0 | .01%+0.08 S (12.5 | Ω) | General (typical |) | | | | |
| (I>10% of | High | 0.0 | 1%+0.0008 S (1250 |) Ω) | Input terminal in | npedance | 150 kΩ | 300 kΩ | ΙΜΩ | |
| range) | 0 | | | , | AC inpu | ıt | 110 | V/220 V ±10%, 50/6 | 0 Hz | |
| | σe | 150 W | 250 W | 200 W | Operating temperature | | 32 °F to I04 °F (0 °C to 40 °C) | | | |
| Range I50 W 250 W Resolution I0 mW | | 200 W | Storage temp | erature | I4 °F to I40 °F (-10 °C to 60 °C) | | | | | |
| | | 0.2% + 0.2% FS | 0.1% + 0.1% FS | Humidity | | Indoor use, ≤ 95% | | | | |
| Transient mod | | 0.001 0.0010 | 012/01/012/01/0 | | Safety | | | , EU Low Voltage Dir | | |
| TI & T2 ^(I) | | 20 µs - | 20 μs – 3600 s / Resolution: 10 μs | | | Electromagnetic | | Meets EMC Directive 2004/108/EC, EN 61000-3- 2:2006, EN 61000-3-3:1995+AI:2001+A2:2005 | | |
| Accu | racy | | 5 µs + 100 ppm | | compatibility | | EN 61000-4-2/-3/-4/-5/-6/-11, EN 61326-1:2006 | | | |
| CL B (2) | Low | 0.001-2 | .5 A/ms | 0.001-1 A/ms | Dimensions (W | | 8.5" x 3 | .5" x 15.2" (218 x 90 x | 387 mm) | |
| Slew Rate ⁽²⁾ | High | 0.001-2 | 2.5 A/µs | 0.001-1 A/µs | Weight | | | 9.9 lbs (4.5 kg) | | |
| (1) | | | | Warrant | у | 3 Years | | | | |

Standard accessories

Optional accessories

 $^{(\mathrm{l})}$ Fast pulse trains with large transitions may not be achievable.

⁽²⁾ The slew rate specifications are not warranted, but are descriptions of typical performance. The actual transition time is defined as the time for the input to change from 10% to 90%, or vice versa, of the programmed current values. In case of very large load changes, e.g. from no load to full load, the actual transition time will be larger than the expected time. The load will automatically adjust the slew rate to fit within the range (high or low) that is closest to the programmed value.

bkprecision.com

User manual, power cord, certificate of calibration

TLPWRI high current test leads, IT-EI5I rackmount kit

(models 8600/B, 8601/B, and 8602/B only)

Specifications (cont.)

| Mode | el | 8610/B | 8612/B | 8614/B | 8616 | 8620 | 8622 | 8624 | 8625 | | | |
|--------------------------|-----------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|---------------------------------------|-------------------------------|-----------------|--|--|--|
| Input ratings | ; | | | | | | | | 1 | | | |
| Input volt | age | 0 – 120 V | 0 – 500 V | 0 – I20 V | 0 – 500 V | 0 – 120 V | 0 – 500 V | 0 – 120 V | 0 – 120 V | | | |
| Input | Low | 0 – 12 A | 0 – 3 A | 0 – 24 A | 0 –6 A | 0 – 48 A | 0 – 10 A | 0-60 A | 0 – 72 A | | | |
| current | High | 0 – 120 A | 0 – 30 A | 0 – 240 A | 0 –60 A | 0 – 480 A | 0 – 100 A | 0 – 600 A | 0 – 720 A | | | |
| Input po | wer | 750 |) W | 1500 W | 1200 W | 3000 W | 2500 W | 4500 W | 6000 W | | | |
| Minimum | Low | 0.12 V at 12 A | 0.36 V at 3 A | 0.15 V at 24 A | 0.36 V at 6 A | 0.2 V at 48 A | 0.3 V at 10 A | 0.18 V at 60 A | 0.18 V at 72 A | | | |
| operating voltage | High | 1.2 V at 120 A | 3.6 V at 30 A | I.5 V at 240 A | 3.6 V at 60 A | 2 V at 480 A | 3 V at 100 A | 18 V at 600 A | I.8 V at 720 A | | | |
| CV mode | | | | | 1 | | <u> </u> | 1 | | | | |
| | Low | 0 – 18 V | 0 – 50 V | 0 – 18 V | 0 – 50 V | 0 – 18 V | 0 – 50 V | 0 – 18 V | 0 – 18 V | | | |
| Range | High | 0 – I20 V | 0 – 500 V | 0 – I20 V | 0 – 500 V | 0 – 120 V | 0 – 500 V | 0 – I20 V | 0 – I20 V | | | |
| | Low | 0.1 mV | I mV | 0.1 mV | I mV | I mV | I mV | I mV | l mV | | | |
| Resolution | High | l mV | I0 mV | l mV | I0 mV | I0 mV | I0 mV | I0 mV | I0 mV | | | |
| Accuracy | Low | ±(0.025% - | + 0.05% FS) | ±(0.025%+ 0.025% FS) | ±(0.025%+ 0.05% FS) | | ±(0.025% - | + 0.05% FS) | | | | |
| | High | | | 1 | ±(0.025% - | ⊦ 0.05% FS) | | | | | | |
| CC mode | | 1 | | | | | · · · · · · · · · · · · · · · · · · · | | | | | |
| Range | Low | 0 – 12 A | 0 – 3 A | 0 – 24 A | 0 – 6 A | 0 – 48 A | 0 – 10 A | 0 – 60 A | 0 – 72 A | | | |
| | High | 0 – 120 A | 0 – 30 A | 0 – 240 A | 0 – 60 A | 0 – 480 A | 0 – 100 A | 0 – 600 A | 0 – 720 A | | | |
| Resolution | Low | I mA | 0.1 mA | I mA | 0.1 mA | I mA | I mA | I mA | I mA | | | |
| | High | I0 mA | I mA | I0 mA | I mA | I0 mA | I0 mA | I0 mA | I0 mA | | | |
| Accuracy | Low | ±(0.05%+ 0.1% FS) | ±(0.05%+ 0.05% FS) | ±(0.05%+ 0.1% FS) | ±(0.05%+ 0.05% FS) | | ±(0.025%+ | + 0.05% FS) | | | | |
| Accuracy | High | ±(0.05%+ 0.1% FS) | ±(0.05%+ 0.05% FS) | ±(0.05%+ 0.1% FS) | ±(0.05%+ 0.05% FS) | | ±(0.025%+ | - 0.05% FS) | | | | |
| CR mode | | | | | | | | | | | | |
| Range | Low | $0.02 \ \Omega - 10 \ \Omega$ | $0.15 \ \Omega - 10 \ \Omega$ | $0.01 \ \Omega - 10 \ \Omega$ | $0.01 \ \Omega - 10 \ \Omega$ | $0.01 \ \Omega - 10 \ \Omega$ | $0.03~\Omega - 10~\Omega$ | $0.01 \ \Omega - 10 \ \Omega$ | 0.005 Ω – ΙΟ Ω | | | |
| Range | High | | | | ΙΟ Ω - | 7.5 kΩ | | | | | | |
| Resoluti | on | | | | 16 | bit | | | | | | |
| Accuracy | Low | | | | 0.01%+0.0 | 8 S (I2.5 Ω) | | | | | | |
| (I>10% of range) | High | | | | 0.01%+0.000 | 08 S (1250 Ω) | | | | | | |
| CW mode | | l | | | | | | | | | | |
| Range | | 750 |) W | 1500 W | 1200 W | 3000 W | 2500 W | 4500 W | 6000 W | | | |
| Resoluti | on | 10 | IO mW IOO mW | | | | | | | | | |
| Accura | у | | | | 0.2% + | 0.2% FS | | | | | | |
| Transient mo | ode (CC i | mode) | | | | | | | | | | |
| TI & T2 | (1) | | | | 20 µs - 3600 s / | Resolution: 10 µs | | | | | | |
| Accura | y | | | | 5 µs + 1 | 00 ppm | | | | | | |
| Slew Rate ⁽²⁾ | Low | 0.001-0.25 A/µs | 0.0001-0.1 A/µs | 0.001-0.25 A/µs | 0.000I-0.I A/µs | 0.00I-0.25 A/µs | 0.00I-0.I A⁄µs | 0.00I-0.25 A/µs | 0.001-0.25 A/µs | | | |
| Siew Kate (-) | High | 0.01-2.5 A/µs | 0.00I-I A⁄µs | 0.0I-2.5 A/µs | 0.00I-I A⁄µs | 0.0I-2.5 A/µs | 0.0I-I A⁄µs | 0.01-2.5 A/µs | 0.0I-2.5 A/µs | | | |

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⁽²⁾ The slew rate specifications are not warranted, but are descriptions of typical performance. The actual transition time is defined as the time for the input to change from 10% to 90%, or vice versa, of the programmed current values. In case of very large load changes, e.g. from no load to full load, the actual transition time will be larger than the expected time. The load will automatically adjust the slew rate to fit within the range (high or low) that is closest to the programmed value.

Specifications (cont.)

| Mod | el | 8610/B | 8612/B | 8614/B | 8616 | 8620 | 8622 | 8624 | 8625 | | | |
|------------------------|----------|----------------------|------------------------------------|---|---|-------------------------|-----------------------|--------------|---------------|--|--|--|
| Readback vol | tage | | | | | | | | | | | |
| | Low | 0 – 18 V | 0 – 50 V | 0 – 18 V | 0 – 50 V | 0 – 18 V | 0 – 50 V | 0 | 18 V | | | |
| Range | High | 0 – 120 V | 0 – 500 V | 0 – 120 V | 0 – 500 V | 0 – 120 V | 0 – 500 V | 0 – 120 V | 0 – 120 V | | | |
| | Low | 0.1 mV | I mV | 0.1 mV | | 1 | I mV | 1 | 1 | | | |
| Resolution | High | I mV | I0 mV | I mV | | | I0 mV | | | | | |
| Accura | - | | ±(0.05% + | - 0.05% FS) | | | ±(0.025% + | - 0.025% FS) | | | | |
| Readback cur | rent | | | | | | | | | | | |
| | Low | 0 – 12 A | 0 – 3 A | 0 – 24 A | 0 – 6 A | 0 – 48 A | 0 – 10 A | 0 – 60 A | 0 – 72 A | | | |
| Range | High | 0 – I20 A | 0 – 30 A | 0 – 240 A | 0 – 60 A | 0 – 480 A | 0 – 100 A | 0 – 600 A | 0 – 720 A | | | |
| | Low | I mA | 0.1 mA | I mA | 0.1 mA | | l r | nA | | | | |
| Resolution | High | I0 mA | I mA | I0 mA | I mA | | 10 | mA | | | | |
| Accura | _ | ±(0.05%+ 0.1% FS) | ±(0.05%+ 0.05% FS) | ±(0.05%+ 0.1% FS) | ±(0.05%+ 0.05% FS) | ±(0.05%+ 0.1% FS) | ±(0.05%+ 0.05% FS) | | 05%+ 6 FS) | | | |
| Readback pov | ver | | | | | | 1 | | | | | |
| Range | 2 | 750 |) W | 1500 W | 1200 W | 3000 W | 2500 W | 4500 W | 6000 W | | | |
| Resolut | | 10 | mW | | | 100 | mW | 1 | | | | |
| Accura | су | | | | ±(0.2% + | - 0.2% FS) | | | | | | |
| Protection rai | - |) | | | | , | | | | | | |
| OPP | | | 0 W | 1550 W | 1250 W | 3050 W | 2550 W | 4550 W | 6050 W | | | |
| OCP - | Low | 13.2 A | 3.3 A | 26.4 A | 6.6 A | 26.4 A | IIA | 66 A | 79.2 A | | | |
| | High | 132 A | 33 A | 264 A | 66 A | 264 A | II0 A | 660 A | 792 A | | | |
| OVP | 0 | 130 V | 530 V | 130 V | 530 V | 130 V | 530 V | 130 V | 130 V | | | |
| OTP | | | 1 | | 185 °F | (85 °C) | 1 | | | | | |
| Short circuit (| typical) | | | | | | | | | | | |
| | Low | 13.2 A | 3.3 A | 26.4 A | 6.6 A | 52.8 A | II A | 66 A | 79.2 A | | | |
| Current (CC) | High | 132 A | 33 A | 264 A | 66 A | 528 A | II0 A | 660 A | 793 A | | | |
| Voltage (| - | | | | | V | | | | | | |
| Resistance | | 10 mΩ | l20 mΩ | 6 mΩ | 60 mΩ | 5 mΩ | 30 mΩ | 3 mΩ | 2.5 mΩ | | | |
| General (typic | | - | | | | | | | | | | |
| nput terminal | | 300 kΩ | ΙΜΩ | 300 kΩ | ΙΜΩ | 300 kΩ | ΙΜΩ | 300 kΩ | 300 kΩ | | | |
| AC inp | | | | | | 10%. 50/60 Hz | | | | | | |
| Operating ten | | | | 32 °F to 104 °F (0 °C to 40 °C) | | | | | | | | |
| Storage temp | | | | 14 °F to 140 °F (-10 °C to 60 °C) | | | | | | | | |
| Humid | | | | Indoor use, ≤ 95% | | | | | | | | |
| Safet | 5 | | | EN6101 | 0-1:2001, EU Low V | |)6/95/EC | | | | | |
| Electroma | gnetic | | Meets El | MC Directive 2004/ | 108/EC, EN 61000-3 61000-4-2/-3/-4/-5/ | 3-2:2006, EN 61000 |)-3-3:1995+AI:2001- | +A2:2005 | | | | |
| Dimensions (W x H x D) | | | L | 17.3" x 10.5" x 23.2" (439 x 266 x 590 mm) | | | | | | | | |
| Weight | | | 54 lbs (24.6 kg) 142 lbs (64.4 kg) | | | | | | | | | |
| Warrar | ty | | | | 3 Y | ears | | | | | | |
| Standard acc | essories | | | User | manual, power corc | l, certificate of calib | ration | | | | | |
| Optional acc | essories | | | | • | urrent test leads | | | | | | |

Programmable DC Electronic Loads 8600/B Series

Ordering Information

8600/B Series DC Electronic Loads

| With GPIB | Without GPIB | |
|-----------|--------------|---|
| 8600 | 8600B | _ |
| 8601 | 860IB | |
| 8602 | 8602B | |
| 8610 | 8610B | |
| 8612 | 8612B | |
| 8614 | 8614B | |
| 8616 | - | |
| 8620 | - | |
| 8622 | - | |
| 8624 | - | |
| 8625 | - | |

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For more than 70 years, B&K Precision has provided reliable and value-priced test and measurement instruments worldwide.

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B&K Precision Corporation is an ISO9001 registered company employing traceable quality management practices for all processes including product development, service, and calibration.

ISO9001:2015

Certification body NSF-ISR Certificate number 6Z241-IS8



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