

THE XBL ADVANTAGE

Testing Tomorrow's Power



DEMANDING APPLICATIONS DEMAND TDI POWER

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The XBL SERIES

testing tomorrow's power...

6000 W model

4000 W model (shown in optional black)



2000 W model



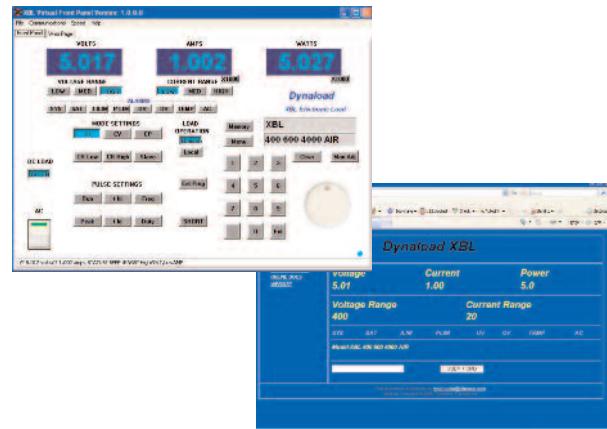
800 W model



To meet industry demands, Dynaload has developed a line of electronic loads that offer cutting-edge functionality at a competitive price. The XBL series is a reliable, precision controlled, high speed load for fuel cell testing, power supply testing, battery testing and custom applications.

The XBL Dynaload Series features 800, 2000, 4000, and 6000 Watt models with wide range voltage inputs and sophisticated computer programming via GPIB, Ethernet, or RS232. These units feature an integrated web page for local system operation and control.

Graphical User Interface



Individual models are available for specialized low voltage high current applications. High voltage models up to 1000 volts are also available.

All models include easy to apply master slave parallel capabilities and closed box calibration. Higher power models incorporate variable speed forced air cooling to assure a quiet environment.

The XBL SERIES

Features & Specifications...



FEATURES

- ▶ Excellent Programming Accuracy
- ▶ High Speed Programmable Slew Rate
- ▶ Ethernet Control
- ▶ Closed Box Calibration
- ▶ RBL Command Support
- ▶ Pulse Load Shaping
- ▶ Full Range Switching
- ▶ 19 inch Rack Mount
- 3U high (2000w)
- 5U high (4000w)
- 6U high (6000w)

OPERATION

Constant Current: 0 to selected full scale current
Prog. Accuracy: 0.1% of setpoint ±5ma
Resolution: .0015% of selected full scale

Constant Resistance: Constant Resistance mode operates in Amps/Volt units entered in ohms or A/V
Prog. Accuracy: 1% of setpoint
Resolution: .0015% of selected full scale

Constant Voltage: 0 to selected full scale
Prog. Accuracy: 1% of setpoint +/- 250mv
Resolution: .0015% of selected full scale

Constant Power: 0 to full scale power
Prog. Accuracy: 1% of setpoint +/- 2W
Resolution: .0015% of full scale power

ANALOG MODE

Ext. Prog: 0 to 10 Volts input yields 0 to selected full scale current.
Input Impedance: 330k Ohms

PULSE MODE

Frequency: 1Hz to 3.5kHz
Duty Cycle: 0 - 100%
Minimum Pulse Width: 150μsec

Adjustable Slew Rate:

10μsec to 1 sec in 10 μsec steps

OUTPUT SIGNALS

Current Sample Output:

Scaling: 10 Volts = selected full scale
Accuracy: +/-0.5% of selected full scale +/- 10mV

PROTECTION

Current Limit:

Range: 0-105% of selected full scale
Resolution: 0.4% of selected full scale

Voltage Limit:

Range: 0-105% of selected full scale
Resolution: 0.4% of selected full scale

Power Limit:

800W Range: 0 - 840 Watts
2000W Range: 0 - 2100 Watts
4000W Range: 0 - 4200 Watts
6000W Range: 0 - 6300 Watts

Thermal: Load disconnect at internal temperature of 90°C

Under Voltage:

Range: Programmable 0 - full range (default OV)
Resolution: 0.4% of selected full scale

COMMUNICATION CHANNEL READBACK

Current:

Resolution: .0015% of selected full scale
Accuracy: 0.1% +/-10ma

Voltage:

Resolution: .0015% of selected full scale
Accuracy: 1% +/- 10mV

Power:

Resolution: .0015% of selected full scale
Accuracy: 1% +/- 2W

Communication Modes:

IEEE 488
RS 232
Ethernet (HTTP, TCP, & Telnet)

MISCELLANEOUS

AC Input: User Selectable 100VAC, 120VAC, 200VAC, 240VAC,
+/-10%, 48 - 62 Hz @ 350W(2000W, 4000W, and 6000W models)

User selectable 120VAC, 240VAC, +/- 10%, 48 - 62Hz @ 350W
(800W model)

Ambient Temp: 0°C to 40°C

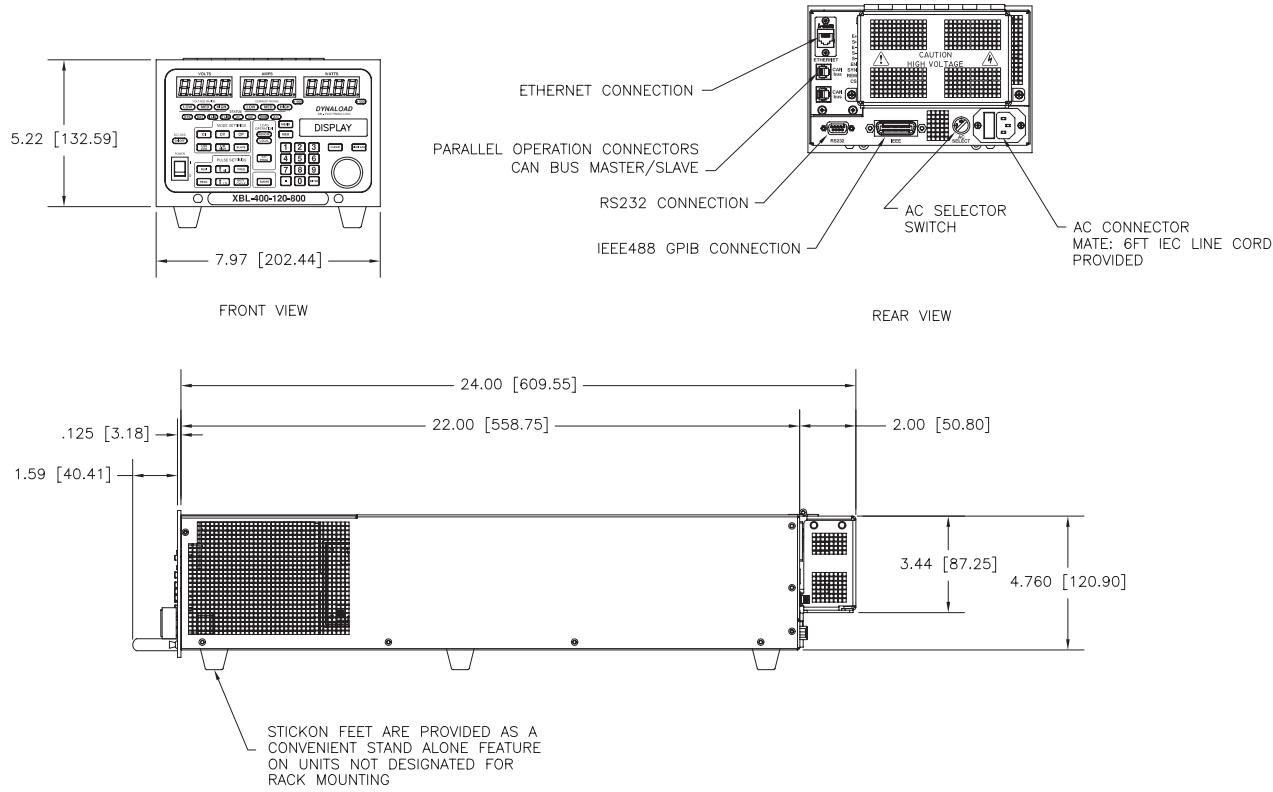
Weight:

800W: 26lbs. (39.0kg)
2000W: 59lbs. (26.8kg)
4000W: 86lbs. (39.0kg)
6000W: 112lbs. (50.8kg)

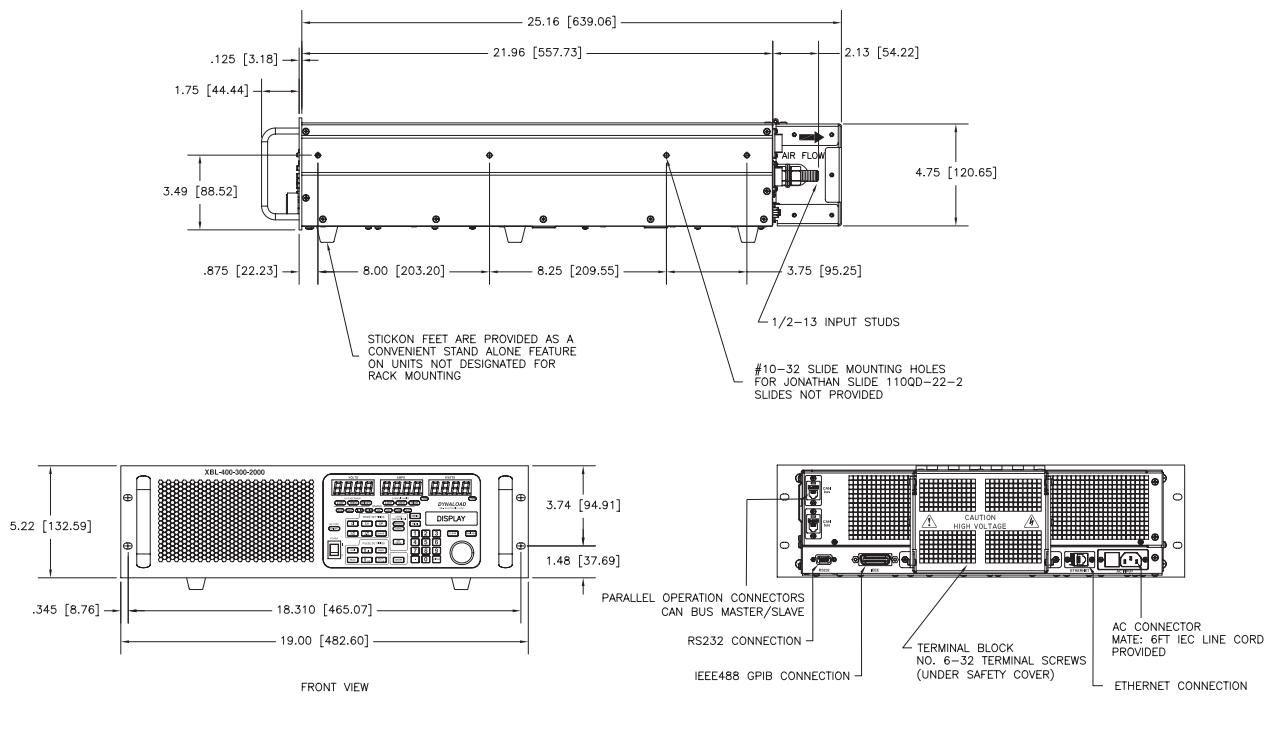
The XBL SERIES

Outlines...

800W OUTLINE



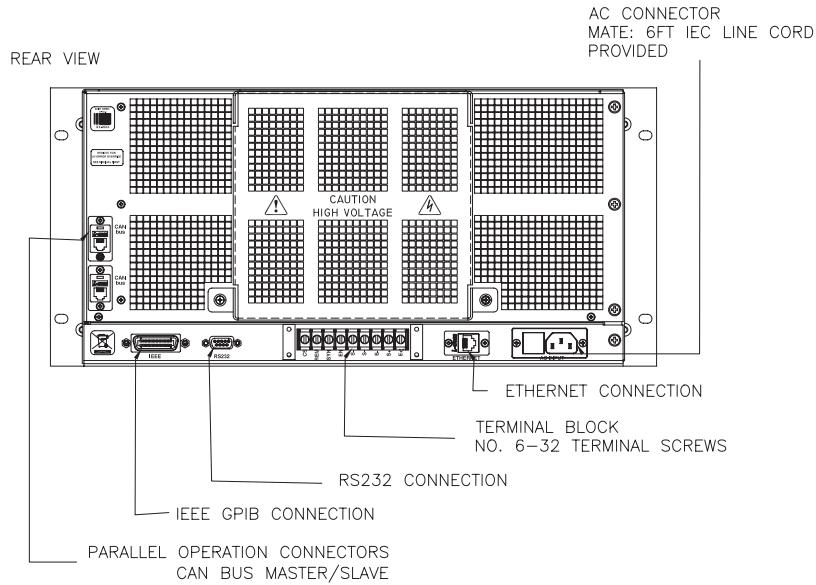
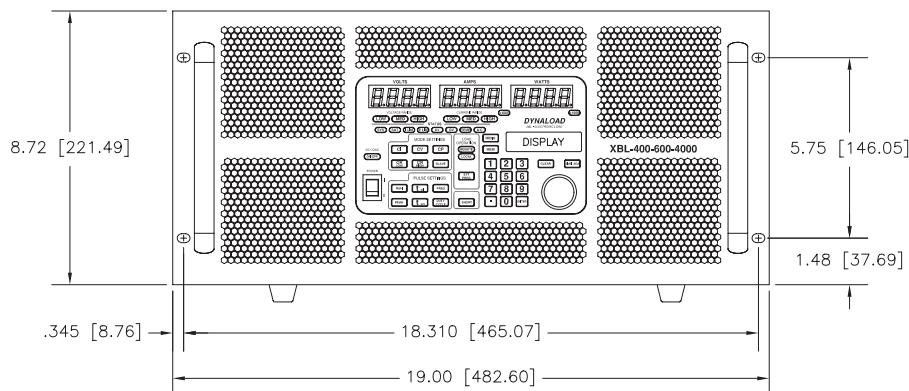
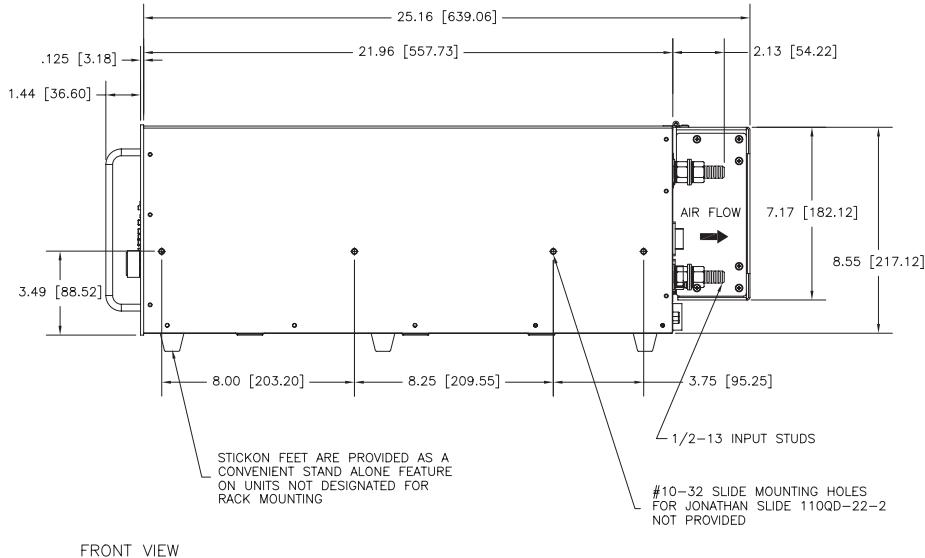
2000W OUTLINE



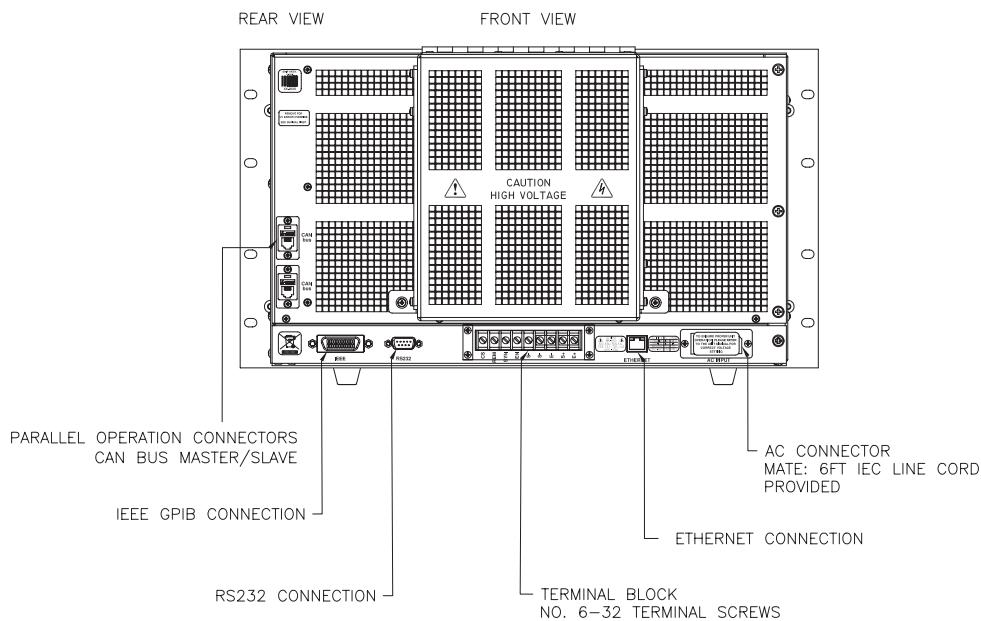
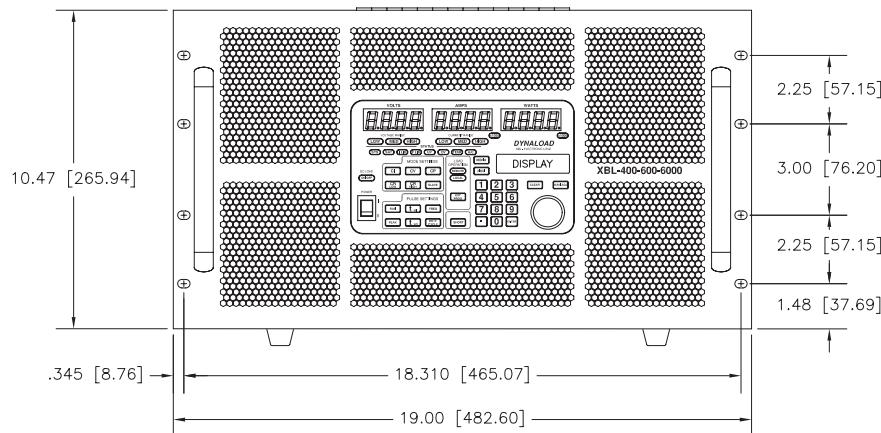
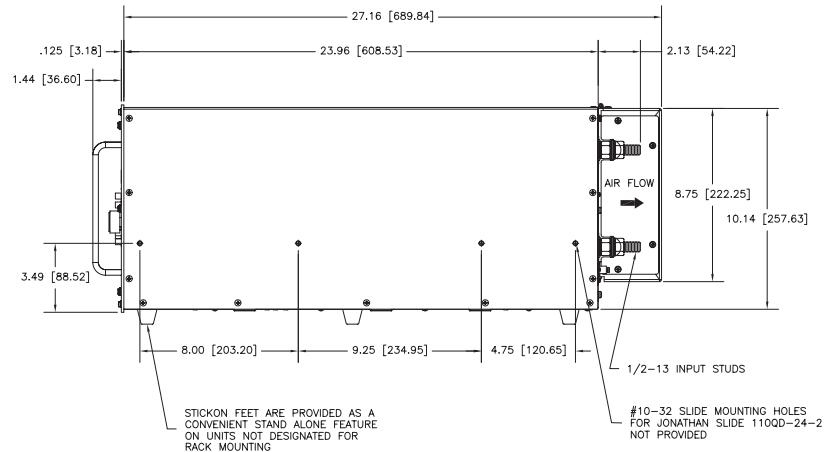
The XBL SERIES

Outlines...

4000W OUTLINE



6000W OUTLINE



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