

# VX Series Professional Power Amplifiers

VX440

VX660

VX880



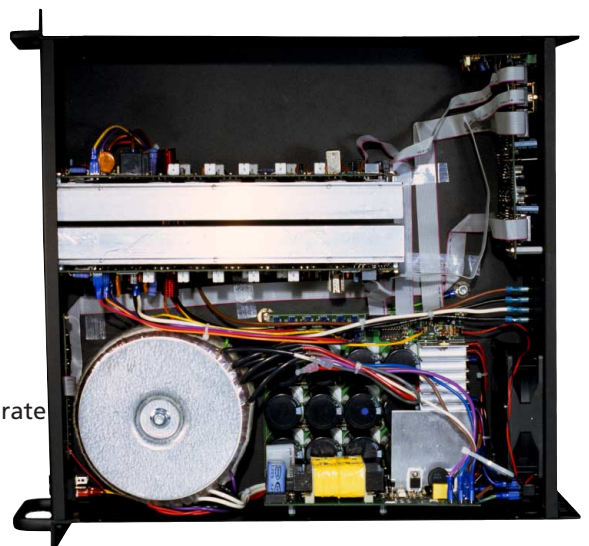
Designed for contractors, this new series offers a conventional power supply for high reliability and value. This power supply contains over 124,000uF of energy storage to ensure that BGW bass response. Power ranges from 725 watts to 1500 watts per channel at 4 ohms and 200 watts to 1400 watts at 70 volts (no autoformers required) in three models. faastLink™ inputs allow for quick and

easy installations and BGW's legendary modular design allows for less down time if there is a problem. Created with the contractor for the contractor, the 1dB precision stepped attenuators are on the rear panel where contractors like them. The VX Series is ideal for use in fixed installations where the highest sound quality and reliability are a must.

## Features

- High efficiency, linear output circuit reduces AC current usage and cooling requirements by 40% or more
- High current, specially constructed toroidal transformers provide higher efficiency, extra reserve and no electrical or mechanical noise
- Variable speed fan for more protection and quiet operation
- Turn on surge limiter (no power sequencers needed) should never trip breakers
- Open industry faastLink™ connector
- Transformer input option through faastLink™
- Modular design means less down time if there is a problem
- 1dB precision stepped detented attenuators on the rear for less tampering
- Super quiet turn-on and off using an output relay & electronic muting
- Durable powder coat finish on a 16 gauge welded steel unibody chassis
- LED indicators for Power, Signal, Clip, and Protect on the front panel
- Barrier strip and monitor speaker output connectors
- Eurostyle barrier strip inputs for universal connections
- XLR balanced inputs
- Removable front handles
- Switchable 30 Hz 12 dB per octave high pass filter
- Ground lift switch
- Bridge Mono/Stereo/Dual Mono switches
- Electronic short circuit protection
- Independent DC and thermal overload protection on each channel automatically protects amplifier and speakers and allows one channel to operate even if the other channel is down.
- Connector protection - no damage if standing on the rear side
- 3 Year warranty
- Made in USA

Watts Per Channel			
Model	8 Ω	4 Ω	70 V
VX440	475	725	200
VX660	660	1050	660
VX880	900	1500	1400



# BGW VX Series



POWER		Model VX440		Model VX660		Model VX880			
EIA 490A Power Method		Bridged Mono	Dual Channel	Bridged Mono	Dual Channel	Bridged Mono	Dual Channel		
8 ohms		1275 W	475 W/ch	1750 W	660 W/ch	2450 W	900 W/ch		
4 ohms		1750 W	725 W/ch	2450 W	1050 W/ch	-	1500 W/ch		
70 volt		-	200 W/ch	-	660 W/ch	-	1400 W/ch		
Intermodulation Distortion		less than 0.008% at rated 8 ohm power output (SMPTE method, 60 Hz & 7 kHz, 4:1 ratio)		less than 0.008% at rated 8 ohm power output (SMPTE method, 60 Hz & 7 kHz, 4:1 ratio)		less than 0.008% at rated 8 ohm power output (SMPTE method, 60 Hz & 7 kHz, 4:1 ratio)			
Rise Time		6 $\mu$ s		6 $\mu$ s		6 $\mu$ s			
Slew Rate		20 V/ $\mu$ s (stereo mode), 40 V/ $\mu$ s (mono mode)		20 V/ $\mu$ s (stereo mode), 40 V/ $\mu$ s (mono mode)		20 V/ $\mu$ s (stereo mode), 40 V/ $\mu$ s (mono mode)			
LF Damping Factor		> 300:1 (ref. 8 ohms) below 50 kHz		> 300:1 (ref. 8 ohms) below 50 Hz		300:1 (ref. 8 ohms) below 50 Hz			
Small Signal Frequency Response		8 Hz - 56 kHz, +0/-3 dB 20 Hz - 20 kHz, +0,-0.3 dB		8 Hz - 56 kHz, +0/-3 dB 20 Hz - 20 kHz, +0,-0.3 dB		8 Hz - 56 kHz, +0/-3 dB 20 Hz - 20 kHz, +0,-0.3 dB			
Crosstalk		> 90 dB @ 20 Hz - 20 kHz		> 90 dB @ 20 Hz - 20 kHz		> 90 dB @ 20 Hz - 20kHz			
DC Offset Voltage		< $\pm$ 10 mV (5 mV typical)		< $\pm$ 10 mV (5 mV typical)		< $\pm$ 10 mV (5 mV typical)			
Hum & Noise Level	8 ohms 20 Hz - 20 kHz	> 110 dB < 440 W (unwtd.) bal.		> 110 dB < 660 W (unwtd.) bal.		> 110 dB < 880 W (unwtd.) bal.			
Voltage Gain		29.9 dB		33.4 dB		34.7 dB			
Input Impedance	@ 8 ohm rated power	11k ohms bal. or unbal. ( balance input between pin 2 & 3 )		11k ohms bal. or unbal. ( balance input between pin 2 & 3 )		11k ohms bal. or unbal. ( balance input between pin 2 & 3 )			
Input Sensitivity		0.775 Vrms for rated 8 ohm output		0.775 Vrms for rated 8 ohm output		0.775 Vrms for rated 8 ohm output			
Load Impedance		>= 2 ohms (stereo mode) >= 4 ohms (mono mode)		>= 2 ohms (stereo mode) >= 4 ohms (mono mode)		>= 4 ohms (stereo mode) >= 8 ohms (mono mode)			
Power Requirement		100 V 10 A	120 V 8 A	230V AC, 5A	50-60 Hz	100 V 15 A	120 V 12 A	230V AC, 7.5A	50-60 Hz
Dimensions	overall (h x w x d)	5.25 (3U) X 19 X 18.8 (inches)		5.25 (3U) X 19 X 18.8 (inches)		5.25 (3U) X 19 X 18.8 (inches)			
	behind front panel (h x w x d)	5.25 X 17 X 18.7 (inches)		5.25 X 17 X 18.7 (inches)		5.25 X 17 X 18.7 (inches)			
Weight		50 lbs (22.7 kg.) net, 58 lbs (26.3 kg.) shipping		58 lbs (26.3 kg.) net, 66 lbs (28.1 kg.) shipping		62 lbs (28.1 kg.) net, 70 lbs (31.75 kg.) shipping			
Control		One 21 position detented rotary control precision input attenuator per channel. One (1) dB attenuation steps.							
Switches	limiter on/off switch								
	bridged operation switch			X		X			
	dual mono mode switch	X		X		X			
	ground lift switch	X		X		X			
	subsonic filter switch	X		X		X			
Option		faastLink™ options		X		X			
Cooling		Continuously variable fan speed based on accurate temperature sensing of heatsink modules. Front - to - rear air flow							
Polarity Convention		XLR Pin out: pin 2 = + pin 3 = - pin 1 = ground							
Warranty		3 Years standard, parts/labor		3 Years standard, parts/labor		3 Years standard, parts/labor			

Power Ratings are EIA 490 A power sine wave, one channel driven into the specified load impedance. THD of 1% maximum from 1 (or 2) Watt to rated output power. Other channel driven at 1/8 power. All measurements assume 120V AC power input.

Due to continuous product improvement, all specifications and features are subject to change without notice.

## BGW...Tell a Friend!



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