

BBG-OSC-1KVA-400 Frequency Converter

Description



The actual product may differ from image shown.

The BBG-OSC-1KVA-400 (OSC) is a highly reliable, field proven AC to AC Frequency Converter. The OSC features full electronic protection, high efficiency and low output noise in a 3U 19-inch rack mountable unit.

The OSC is factory configurable to customer requirements for easy field installation.

Applications

- Radar Systems (antenna azimuth)
- Navigation Systems (gyrocompass, speedlog, course, pitch, and roll)
- Industrial Processes (position, velocity)
- Meteorology Instruments (wind speed and direction)
- Many Others

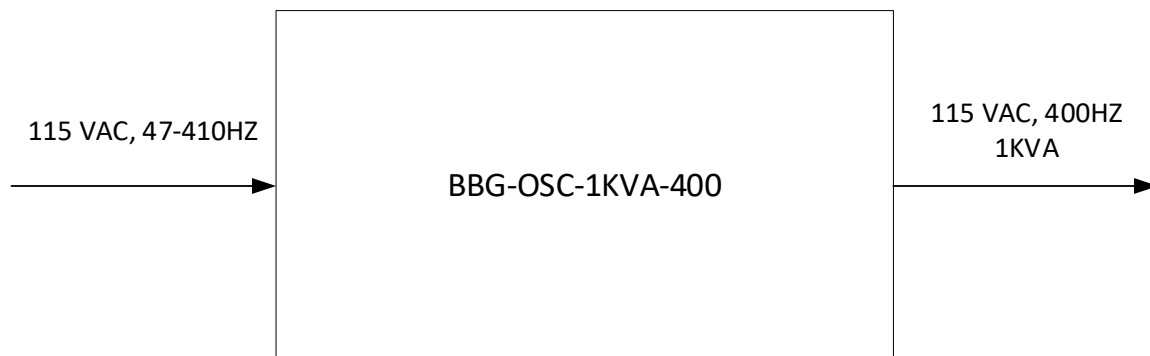
Features

- Universal Input
- Full Electronic Protection
- Compact Size, Light Weight
- Pure Sine Wave Output
- Ultra Quiet

BBG-OSC-1KVA-400

Product Specifications

Chart



The BBG-OSC-1KVA-400 operates on a 115 VAC 60 Hz power input to produce 115 VAC 400 Hz pure sine wave at 1000 Volt-Amps (VA). The built-in fan provides sufficient airflow for operation without derating up to 50⁰C ambient temperature. The OSC has basic ruggedizing and conformal coating.

Technical Specifications

Parameter	Value	Units
Input		
Power	115	Volts AC
	47 – 410	Hertz
Current	14	Amps max
Protection	Inrush current limiting. Varistor. Internal safety fuse.	N/A
Isolation	2250	VDC
- Input-Chassis		
- Input-Output		
- Output Chassis		
Output		
Power	115	Volts AC
	400	Hertz
	8.7	Amps
Efficiency	85% Minimum	Full Load
Line/Load Regulation	+/-2%	From no load to full load



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BBG-OSC-1KVA-400**Product Specifications**

Parameter	Value	Units
Harmonics	Less Than 5%	Full Load
Connection	Hard Wire Terminal	N/A
Temperature Range		
Operating	0 to +50	C°
Storage	-65 to +150	C°
Weight	15	Lbs.
Dimensions	5.2 W x 5.2 H x 16 L	In
	13.2 x 13.2 x 40.6	Cm

Note: 19" rack mount and L-brackets included.



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CONNECTOR LIST

Inputs and outputs are available on screw terminal connections provided on the BBG-OSC-1KVA-400. Inputs and outputs are listed below:

INPUT (115 VAC 60Hz)

I/O CONNECTOR TYPE: SCREW TERMINAL BLOCK
CONNECTOR MATE: TERMINAL LUG

Signal	Connector
115V AC 60 Hz LINE (PH)	TB1-1
115V AC 60 Hz NEUTRAL (N)	TB1-1
Chassis Ground (GND)	TB1-3

OUTPUT (115VAC 400Hz)

I/O CONNECTOR TYPE: SCREW TERMINAL BLOCK
CONNECTOR MATE: TERMINAL LUG

Signal	Connector
115V AC 400 Hz PHASE 1 (PH)	TB2-1
115V AC 400 Hz PHASE 2 (N)	TB2-2
Chassis Ground (GND)	TB2-3

