

Ultrasonic Generator

Technical Specification

Bosan Industrial Technology Ltd.
Flat 7, 5/F., Kai Fuk Industrial centre,
1 Wang Tung Street, Kowloon Bay, Kowloon, Hong Kong.
Tel : (0852)-2755-3470 Fax : (0852)-2757-2111
Website : www.bosan-control.com
E-mail : info@bosan-control.com

PCUG - Ultrasonic Generator

Specifications

Output Power	600W, 900W, 1200W, 1500W, 1800W
Input Power	220V ~ 230Vac $\pm 10\%$
Operating Frequency	10KHz ~ 133KHz
Indication	4 digits output current display, accuracy $\pm 0.01\% + 1$ digit Bar LED power level display Bar LED sweeping frequency and bandwidth indication
Sweep Frequency	1 ~ 20Hz
Bandwidth	1 ~ 5% of operating frequency
Overload Protection	Thermal overload Current overload Over Voltage
Feature	Sweeping function with bandwidth adjustment. Sweeping frequency adjustment. Compact design Continuously operation for heavy workload.
Operating Temperature	0 ~ 50°C
Operating Humidity	0 ~ 80%
Dimensions	480mm (L) x 220mm (W) x 140mm (H)
Weight	13kg



Generator Front Side



Generator Back Side

Operating Identifications

Power switch

To control the main power ON/OFF of the generator with light indication.

Power control switch

Turn the knob to control the output power level with bar LED power level indication.

Current meter

To indicate the output current during operation.

Sweep control switch

To activate the sweeping function to improve the cleaning effect and efficiency with light indication.

Bandwidth switch

To control the bandwidth of sweeping frequency.

Speed switch

To control the frequency level of sweeping frequency.

Remote control switch

To remotely control the operation of generator.

Operating Procedure

- 1) Connect the generator power line from the mains. Be sure the line voltage should be 220V ~ 230Vac $\pm 10\%$, 50/60Hz
- 2) Switch "ON" the main power switch. A power indication is lighted.
- 3) Turn the power control knob in clockwise to rise up the output power. The power level is indicated on bar LED display and the 7 segments LED display indicates the output current simultaneously.
- 4) For better cleaning result, switch "ON" the sweep control switch to activate the sweeping function. Turn the bandwidth switch to control the pulse width level. The bar LED will indicate pulse width level simultaneously. Turn the speed switch to control the sweep frequency. The bar LED will indicate the frequency level simultaneously.

Safety Precaution

- 1) Read all the operating instructions before use the products.
- 2) Do not try to dismantle the generator during operation.
- 3) Ensure the power to generator should be dis-connected before connecting wires from generator.
- 4) To ensure the generator working at specified rated voltage.
- 5) Periodically cleaning up all the dust condenses on the ventilation fan and on the top of PCB by using vacuum or jet air method.
- 6) Prevent the generator working in a high humidity and high corrosive environment.
- 7) To avoid damage the generator. Never place it on an unstable stand or subject to a vibration environment.
- 8) The generator should be ground with ground line to prevent electrical shock.
- 9) To ensure the generator working with corresponding power rating of transducers. Any mismatching between generator's power and transducers' power will result under load or overload.

Limited Warranty

- 1) All generators and transducers provide one year limited warranty from date of purchase.
- 2) During the limited warranty period, we will repair or replace any defective parts resulting from normal operation condition. Any misuses and external reason to cause the failure of the parts will be charged as replace or repair.
- 3) All the replacement, maintenance or repairing service will be limited to specific area without additional charge on transportation cost. If the area outside the Guang Dong province , Hong Kong and Macau, an additional charge will be imposed.
- 4) All the generators and transducer units had been tuned and tested over 100 hours before shipment to ensure the function. Any alternation or modification on the unit after shipment will void the warranty agreement.

Note : We reserve the right to change the specifications of products to improve or upgrade the performance without priority notification.

End