

DESCRIPTION

PRODUCT COVERED:

Component - Power supplies, Models BHW06355, BHW12200, **BHW12150** and BHW24110 series, followed by additional suffixes as described in the Part Number Designation.

GENERAL CHARACTER AND USE:

The devices covered by this Report are cord connected units intended to supply power to medical and dental type related equipment. The units consist of a transformer and other related electronic circuitry housed in a thermoplastic enclosure. The units are provided with an IEC inlet for power input.

The output cord is provided with a nonstandard polarized connector.

ELECTRICAL RATINGS:

<u>Model</u>	<u>Input, 50-60 Hz</u>		<u>Output, dc</u>	
	<u>V</u>	<u>A</u>	<u>V</u>	<u>A</u>
BHW06355XXXXX	100-240	0.8 - 0.35	7.35	3.55
BHW12200XXXXX	100-240	0.8 - 0.35	14.7	2.0
BHW24110XXXXX	100-240	0.8 - 0.35	29.4	1.10
BHW12150XXXXX		100-240 0.8 - 0.35	14.7	1.5

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PART NUMBER DESIGNATION:

<u>BHW</u>	<u>XX</u>	<u>XXX</u>	<u>XX</u>	<u>XX</u>	<u>X</u>
1	2	3	4	5	6

1. Medical family related designs.
2. Tabulated output voltage as noted in Electrical Ratings, above.
3. Tabulated output current as noted in Electrical Ratings, above.
4. Custom (markings, cord, etc.), can be 00-99.
5. Standard Output Connector Options, can be 00-99.
6. Manufacturing Location, A-Z.

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ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Use - For use in products where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Conditions of Acceptability - When installed in the general use equipment, the following are among the considerations to be made:

1. Final determination for use with patient-connected circuit should be made in the end-use product.
2. Leakage current measurements should be performed on the combination power supply and the end-use product.
3. **The equipment has been tested in a room ambient of 25°C.**
4. These products have been judged on the basis of the required spacings in Standard Medical Electrical Equipment, Part I: General Requirements for Safety, **UL 60601-1 1st edition** and CAN/CSA-C22.2 No. 601.1-M90 covers the end-use product for which this component was designed.
5. The end-use equipment should be marked to indicate the manufacturer and model of the power supply it is to be used with.
6. The suitability of the input cord shall be determined in the end-use product.
7. **The equipment is suitable for use in a 40°C room ambient.**
8. **These power supplies are considered to provide "Ordinary" protection against the ingress of liquids (IPX0).**
9. **This power supply is considered Class I with no applied parts.**
10. **This product is not evaluated for use with Category AP or APG equipment.**
11. **Reinforced insulation is provided between primary and secondary.**
12. **Markings and installation instructions are the responsibility of the end-use product manufacturer.**