

## D E S C R I P T I O N

## PRODUCT COVERED:

\*USL, CNL battery charger, Model BCM, BVL and BL600 Series, followed by additional suffixes as described in the Part Number Designation.

## GENERAL CHARACTER AND USE:

This product is a switching type battery charger incorporating semiconductor components in the primary circuit and an isolating transformer. The input is supplied from an appliance inlet. A multi-pin connector supplies the output. The outputs are considered SELV, non-energy hazard.

## ELECTRICAL RATINGS:

<u>Model</u>	<u>Input, 50-60</u>		<u>Output, d.c.</u>	
	<u>Hz.</u>		<u>V</u>	<u>A</u>
BCM-X-306-XXX-XX-XX-X	100-250	0.5	+3-9	1.5 max
BCM-X-510-XXX-XX-XX-X	100-250	0.5	+5-15	1.2 max
BCM-X-812-XXX-XX-XX-X	100-250	0.5	+8-18	1.0 max
BVL-06-XXX-XX-XX-X	100-250	0.5	+7.35	2.0 max
BVL-12-XXX-XX-XX-X	100-250	0.5	+14.7	1.2 max
BVL-24-XXX-XX-XX-X	100-250	0.5	+29.4	0.6 max
*BL600-X-01-XXX-XX-XX-X	100-250	0.5	4.2	1.7 max
*BL600-X-02-XXX-XX-XX-X	100-250	0.5	8.4	1.7 max
*BL600-X-03-XXX-XX-XX-X	100-250	0.5	12.6	1.4 max
*BL600-X-04-XXX-XX-XX-X	100-250	0.5	16.8	1.0 max

PART NUMBER DESIGNATION:

<u>BCM</u>	<u>X</u>	<u>XXX</u>	<u>XXX</u>	<u>XX</u>	<u>XX</u>	<u>X</u>
1	2	3	4	5	6	7

1. Model Number for family related designs.

2. Battery Type and Timer, X = 1-8.

1	NiCd	1.5 hours	5	NiMH	1.5 hours
2	NiCd	3.0 hours	6	NiMH	3.0 hours
3	NiCd	6.0 hours	7	NiMH	6.0 hours
4	NiCd	9.0 hours	8	NiMH	9.0 hours

3. Number of cells, 306 = 3-6 cells; 510 = 5-10 cells; 812 = 8-12 cells.

4. Tabulated output current, XXX can be per the table.

BCM306	BCM510	BCM812
150	120	100
120	100	080
100	080	060
080	060	
060		

5. Number Options, can be 00-99.

6. Number Options, can be 00-99.

7. Manufacturing Location, A-M = Minneapolis, N-P = Korea, R-Z = Xianghe.

PART NUMBER DESIGNATION:

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

1. Model Number for family related designs.
2. Intended Battery Voltage, XX = 06,12,24.
3. Tabulated output current, XXX can be per the table.

BVL06XXX	BVL12XXX	BVL24XXX
200	120	060
100	060	030

4. Number Options, can be 00-99.
5. Number Options, can be 00-99.
6. Manufacturing Location, K = Korea, M = Minneapolis, R = Xianghe.

PART NUMBER DESIGNATION:

<u>BL600</u>	<u>X</u>	<u>XX</u>	<u>XXX</u>	<u>XX</u>	<u>XX</u>	<u>X</u>
1	2	3	4	5	6	7

1. Model Number for family related designs.

2. Timer, X = 1-3, 5-7

1	3.0 hours	5	3.0 hours
2	6.0 hours	6	6.0 hours
3	9.0 hours	7	9.0 hours

3. Number of cells, XX = 01, 02, 03, 04.

4. Tabulated output current, XXX can be per the table.

Model	XXX	Output Current
BL600-X-01	010-170	0.1A-1.7A
BL600-X-02	010-170	0.1A-1.7A
BL600-X-03	010-140	0.1A-1.4A
BL600-X-04	010-100	0.1A-1.0A

5. Number Options, can be 00-99.

6. Number Options, can be 00-99.

7. Manufacturing Location, A-M = Minneapolis, N-P = Korea, R-Z = Xianghe.

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

Special Considerations - The following items are considerations that were used when evaluating this product.

USL indicates investigation to the U.S. Standard for Safety of Information Technology Equipment, Including Electrical Business Equipment, UL 60950, Third Edition, dated December 1, 2000.

CNL indicates investigation to the Canadian Standard for the Safety of Power Supplies, CAN/CSA-C22.2, No. 60950, Third Edition, dated December 1, 2000.

The equipment was tested by the manufacturer in a room ambient of 25°C.

The equipment is considered movable, Class I (earthed), pluggable Type A, uses a detachable power cord, intended for use on a TN power system.

This product has been investigated for pollution degree 2 applications. It is considered for IPX0 "ordinary" protection against the ingress of water.

Disconnect Device- The following component is considered the equipment disconnect device: Appliance Inlet.

Limited Power Source: All of the models in the BCM series are considered to be Limited Power Source.