



Product Service

CERTIFICATE

No. B 10 10 13890 876

Holder of Certificate: **Astec International Ltd.**
16th Floor, Lu Plaza, 2 Wing Yip Street
Kwun Tong
Kowloon
HONG KONG

Certification Mark:



Product: **Converter**
(DC-DC Converter)

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: 68230721102

Date, 2010-10-18

(Alex Kong)

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Model(s): **BXB50 Series, BXB75 Series,
 BXB100 Series, BXB150 Series**
 (See page 3 & 4 for details of model number)

Parameters:

Rated Input Voltage :	36-75VDC (48VDC nom); or 18-36VDC (24VDC nom);
Rated Input Current :	See page 3 & 4 for details
Rated DC Output :	See page 3 & 4 for details
Construction :	Built-in
Protection Class :	Built-in component, considered in end system
Degree of Protection :	IPX0
Remarks :	<ul style="list-style-type: none"> - When installing the equipment, all requirements of the mentioned standard must be fulfilled. - Functional insulation is provided between the input circuit and output circuit. - Built-in type equipment, suitable enclosure and type of supply connection should be provided by end system. - This built-in converter shall be connected to a (SELV) source which is isolated from the mains supply by double or reinforced insulation. - This built-in DC/DC converter has no fuse. For safe operation, an external fast acting type fuse must be employed as input fuse before installation. (F4.0A for 48VDC Nom, F8. 0A for 24VDC Nom).

Tested according to: EN 60950-1/A11:2009

Production Facility(ies): 26247, 34209

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Model	Input Voltage (DC)	Input Current	Output Voltage (DC)	Output Current
BXB50 Series – Max. Output Power 50W				
BXB50-48S3V3	36-75V	1.9A	3.3V	10A
BXB50-48S05	36-75V	1.9A	5.0V	10A
BXB50-48S12	36-75V	1.9A	12.0V	4.16A
BXB50-48S15	36-75V	1.9A	15.0V	3.33A
BXB50-24S3V3	18-36V	4.0A	3.3V	10A
BXB50-24S05	18-36V	4.0A	5.0V	10A
BXB50-24S12	18-36V	4.0A	12.0V	4.16A
BXB50-24S15	18-36V	4.0A	15.0V	3.33A
BXB75 Series – Max. Output Power 75W				
BXB75-48S3V3	36-75V	2.8A	3.3V	15A
BXB75-48S05	36-75V	2.8A	5.0V	15A
BXB75-48S12	36-75V	2.8A	12.0V	6.25A
BXB75-48S15	36-75V	2.8A	15.0V	5.0A
BXB75-48D05-3V3	36-75V	2.8A	5.0V 3.3V	15A 15A
BXB75-48D3V3-2V5	36-75V	2.8A	3.3V 2.5V	15A 15A
*BXB75-48D3V3-1V8	36-75V	2.8A	3.3V 1.8V	15A 15A
BXB75-5074	36-75V	2.8A	5.0V	15A
BXB75-24S3V3	18-36V	5.5A	3.3V	15A
BXB75-24S05	18-36V	5.5A	5.0V	15A
BXB75-24S12	18-36V	5.5A	12.0V	6.25A
BXB75-24S15	18-36V	5.5A	15.0V	5.0A
BXB75-24D05-3V3	18-36V	5.5A	5.0V 3.3V	15A 15A

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BXB100 Series – Max. Output Power 100W				
BXB100-48S3V3	36-75V	3.7A	3.3V	20A
BXB100-48S05	36-75V	3.7A	5.0V	20A
BXB100-48S12	36-75V	3.7A	12.0V	8.33A
BXB100-48S15	36-75V	3.7A	15.0V	6.67A
BXB100-5074	36-75V	3.7A	5.0V	20A
BXB100-5083	36-75V	3.7A	5.0V 3.3V 1.5V	20A 20A 2.5A
BXB100-24S3V3	18-36V	7.0A	3.3V	20A
BXB100-24S05	18-36V	7.0A	5.0V	20A
BXB100-24S12	18-36V	7.0A	12.0V	8.33A
BXB100-24S15	18-36V	7.0A	15.0V	6.67A
BXB150 Series – Max. Output Power 150W				
BXB150-48S3V3	36-75V	4.1A	3.3V	30A
BXB150-48S05	36-75V	5.8A	5.0V	30A
BXB150-48S12	36-75V	5.5A	12.0V	12.5A
BXB150-48S15	36-75V	5.5A	15.0V	10A

Remark:

1. "*" denotes that model BXB75-48D3V3-1V8 maximum total output power is 55W.
2. Models BXB75-5074 and BXB100-5074 are electrically identical to models BXB75-48S05 and BXB100-48S05. The differences between the units are that the BXB75-5074 and BXB100-5074 are open frame, are required to have forced air-cooling (min. 350 lfm) and are provided with an alternate layout. Approved BXB units are encapsulated and are provided with a cover.
3. Model BXB100-5083 is a triple output unit that is open frame type and must have forced air-cooling (min. 140 lfm)
4. Model numbers may or may not be followed by any combination of the following suffixes:
 H – Active high enable. Brings pin 3 high with respect to –ve input, pin 1 enables the unit.
 L – Active low enable. Brings pin 3 low with respect to –ve input, pin 1 enables the unit.
 F – Fast start ability. Allows unit to start within 10 ms of applying input voltage.
 T – Reverse trim option. Polarity of the trim function is reversed (i.e. pins 6 and 8 functions are swapped).
5. Model numbers may or may not be followed by any combination of alphanumeric or alphanumeric suffixes that denotes minor changes that do not affect safety.