



Product Service

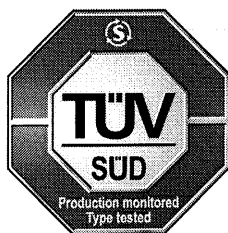
# CERTIFICATE

No. B 10 10 51485 867

**Holder of Certificate: Astec International Limited  
- Philippine Branch**

3rd & 4th Floor, Techno Plaza One Bldg  
#18 Orchard Road  
Eastwood City Cyberpark, Bagumbayan  
1110 Quezon City  
PHILIPPINES

**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.:** 68230609807



*Johan Chung*  
(Johan Chung)

**Date,** 2010-10-29

Page 1 of 2



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**CERTIFICATE**

**No. B 10 10 51485 867**

**Model(s):**

**LES13B48-5V0XXXX, LES20B48-3V3XXXX,  
 LES22B48-2V5XXXX, LES06B48-12V0XXXX,  
 LES25B48-1V8XXXX, LES25B48-1V5XXXX,  
 LES25B48-1V2XXXX, LES25B48-1V0XXXX,  
 LES05B24-15V0XXXX**

**(Where "X" is any alphanumeric character or blank that represents different customer identity)**

**Parameters:**

**Rated Input :** 18-36VDC, 5.5A [LES05B24-15V0XXXX];  
 36-75VDC, 2.5A [for other models]

**Rated Output :** +3.3VDC, 20A max., 66W max.  
 [LES20B48-3V3XXXX];  
 [+5.0VDC, 13Amax., 65W max.]  
 [LES13B48-5V0XXXX];  
 +2.5VDC, 22Amax., 55W max.  
 [LES22B48-2V5XXXX];  
 +12.0VDC, 6.7Amax., 80.4W max.  
 [LES06B48-12V0XXXX];  
 +1.8VDC, 25Amax., 45W max.  
 [LES25B48-1V8XXXX];  
 +1.5VDC, 25Amax., 37.5W max.  
 [LES25B48-1V5XXXX];  
 +1.2VDC, 25Amax., 30W max.  
 [LES25B48-1V2XXXX];  
 +1.0VDC, 25Amax., 25W max.  
 [LES25B48-1V0XXXX];  
 +15VDC, 5A max., 75W max.  
 [LES05B24-15V0XXXX]

**Construction :** Built-in  
**Protection Class :** Built-in type component,  
 Considered in end system

**Degree of Protection :** IPX0

**Remarks :**

- When installing the equipment, all requirements of the mentioned standard must be fulfilled.
- The built-in converter shall be connected to a TNV-2 source, except for model LES05B24-15V0xxxx, which is insulated from the mains supply by double or reinforced insulation.
- This converter is provided with basic insulation between the input and output circuits.

**Tested according to:**

EN 60950-1/A11:2009

**Production Facility(ies):**

26247

Page 2 of 2