

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST
CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEME

SYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE**CERTIFICAT D'ESSAI OC**

Product
Produit

Power Supply, Built-In AC/DC

Name and address of the applicant
Nom et adresse du demandeur

ASTEC INTERNATIONAL LTD
16TH FL
LU PLAZA
2 WING YIP ST, KWUN TONG
KOWLOON, Hong Kong

Name and address of the manufacturer
Nom et adresse du fabricant

ASTEC INTERNATIONAL LTD
16TH FL
LU PLAZA
2 WING YIP ST, KWUN TONG
KOWLOON, Hong Kong

Name and address of the factory
Nom et adresse de l'usine

ZHONGSHAN GENERAL CARTON BOX FACTORY CO LTD
62 QI GUAN RD W SHIQI DISTRICT ZHONGSHAN
GUANGDONG 528400
CHINA

Note: When more than one factory, please report on page 2
Note: Lorsque il y plus d'une usine, veuillez utiliser la 2^{ème} page

Additional Information on page 2
See Page 2

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

Trademark (if any)
Marque de fabrique (si elle existe)



Type of Manufacturer's Testing Laboratories used
Type de programme du laboratoire d'essais
constructeur

TMP

Model / Type Ref.
Ref. De type

TLP150N-96S12N01J, TLP150N-99S12F02J, TLP150X-96S12,
TLP150X-96S24, TLP150X-96S36, TLP150X-96S48, See Page
2

Additional information (if necessary may also be
reported on page 2)
Les informations complémentaires (si nécessaire,,
peuvent être indiqués sur la 2^{ème} page

Additionally evaluated to EN 60950-1:2006 /A11:2009 /A1:2010
/A12:2011; National Differences specified in the CB Test Report.

Additional Information on page 2

A sample of the product was tested and found
to be in conformity with
Un échantillon de ce produit a été essayé et a été
considéré conforme à la

IEC 60950-1(ed.2), IEC 60950-1(ed.2);am1

As shown in the Test Report Ref. No. which forms
part of this Certificate
Comme indiqué dans le Rapport d'essais numéro de
référence qui constitue partie de ce Certificat

E186249-A185-CB-2 issued on 2013-07-15

This CB Test Certificate is issued by the National Certification Body

Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**



- UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2013-07-16

Signature:

Original Issue Date: 2012-09-07

Jan-Erik Storgaard



Ref. Certif. No.

DK-27967-A2-UL

Model Details:

TLP150N-96S12N01J, TLP150N-99S12F02J, TLP150X-96S12, TLP150X-96S24, TLP150X-96S36, TLP150X-96S48, TLP150X-99S12, TLP150X-99S24, TLP150X-99S48 where X is any alphanumeric character or blank that represents customer specific options that do not affect safety. Model numbers may be followed by alphanumeric characters that represent customer specific options that do not affect safety.

Ratings:

Input Ratings:

- 100-240 Vac, 2.5 A, 47-63 Hz or
- 100-132 Vac, 2.5 A, 47-440 Hz or
- 100-240 Vac, 1.3-0.6 A, 50/60 Hz (for Model TLP150N-96S12N01J only)
- 100-240 Vac, 2.5A, 50/60 Hz or
- 115 Vac, 2.5A, 400Hz (for Model TLP150N-99S12F02J only)

Output Ratings:

TLP150X-96S12 and TLP150X-99S12
 12Vdc/12.5A, max. 150 watts with 200 LFM Fan
 12Vdc/8.33A, max 100 watts Convection Cooled

TLP150X-96S24 and TLP150X-99S24
 24Vdc/6.25A, max. 150 watts with 200 LFM Fan
 24Vdc/4.15A, max. 100 watts Convection Cooled

TLP150X-96S48 and TLP150X-99S48
 48Vdc/3.20A, max. 150 watts with 200 LFM Fan
 48Vdc/2.10A, max. 100 watts Convection Cooled

TLP150X-96S36
 36Vdc/4.2A, max. 150 watts with 200 LFM Fan
 36Vdc/2.77A, max. 100 watts with Convection Cooled

TLP150N-99S12F02J
 +12Vdc/12.5A max.; +5Vsb/1A max.,
 150 watts with 400LFM Fan at 50°C
 75 watts with 400LFM Fan at 70°C

Additional Information:

The original report was modified to include the following changes/additions:
Add model, revise altitude of operation, and update components.

Additional information (if necessary)

Information complémentaire (si nécessaire)



- UL (US), 333 Pflingsten Rd IL 60062, Northbrook, USA
- UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
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Date: 2013-07-16
Original Issue Date: 2012-09-07

Signature: 
 Jan-Erik Storgaard

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(IECEE) CB SCHEME

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ELECTRIQUES (IECEE) METHODE OC

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Type de programme du laboratoire d'essais
constructeur

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TLP150X-96S24, TLP150X-96S36, TLP150X-96S48, See Page
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Model / Type Ref.
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As shown in the Test Report Ref. No. which forms
part of this Certificate
Comme indiqué dans le Rapport d'essais numéro de
référence qui constitue partie de ce Certificat

E186249-A185-CB-2 issued on 2013-07-15, E186249-A185-CB-
2 issued on 2012-09-28, E186249-A185-CB-2 issued on 2012-
09-07

This CB Test Certificate is issued by the National Certification Body

Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**



- UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/nbcnames

Date: 2013-07-16

Signature:

Jan-Erik Storgaard



Ref. Certif. No.

DK-33768-UL

Model Details:

TLP150N-96S12N01J, TLP150N-99S12F02J, TLP150X-96S12, TLP150X-96S24, TLP150X-96S36, TLP150X-96S48, TLP150X-99S12, TLP150X-99S24, TLP150X-99S48 where X is any alphanumeric character or blank that represents customer specific options that do not affect safety. Model numbers may be followed by alphanumeric characters that represent customer specific options that do not affect safety.

Ratings:

Input Ratings:

100-240 Vac, 2.5 A, 47-63 Hz or
100-132 Vac, 2.5 A, 47-440 Hz or
100-240 Vac, 1.3-0.6 A, 50/60 Hz (for Model TLP150N-96S12N01J only)
100-240 Vac, 2.5A, 50/60 Hz or
115 Vac, 2.5A, 400Hz (for Model TLP150N-99S12F02J only)

Output Ratings:

TLP150X-96S12 and TLP150X-99S12
12Vdc/12.5A, max. 150 watts with 200 LFM Fan
12Vdc/8.33A, max 100 watts Convection Cooled

TLP150X-96S24 and TLP150X-99S24
24Vdc/6.25A, max. 150 watts with 200 LFM Fan
24Vdc/4.15A, max. 100 watts Convection Cooled

TLP150X-96S48 and TLP150X-99S48
48Vdc/3.20A, max. 150 watts with 200 LFM Fan
48Vdc/2.10A, max. 100 watts Convection Cooled

TLP150X-96S36
36Vdc/4.2A, max. 150 watts with 200 LFM Fan
36Vdc/2.77A, max. 100 watts with Convection Cooled

TLP150N-99S12F02J
+12Vdc/12.5A max.; +5Vsb/1A max.,
150 watts with 400LFM Fan at 50°C
75 watts with 400LFM Fan at 70°C

Additional information (if necessary)

Information complémentaire (si nécessaire)



UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA

UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK

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Date: 2013-07-16

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