



**BUREAU
VERITAS**

**TEST REPORT
IEC 61347-2-13
Part 2: Particular requirements:
Section Thirteen – d.c. or a.c. supplied electronic controlgear for
LED modules**

Report Number: 12TH0326-61347_1

Date of issue.....: February 21, 2013

Tested by
(printed name and signature): Nils Dohrmann

Approved by
(printed name and signature): Thomas Ruffer

Total number of pages: 27

Testing Laboratory.....: Bureau Veritas Consumer Products Services Germany GmbH

Address: Businesspark A96 86842 Türkheim, Germany

Applicant's name.....: Convertec Limited

Address: Whitemill Industrial Estate, Wexford, Republic of Ireland

Test specification:

Standard: IEC 61347-2-13:2006 used in conjunction with IEC 61347-1 (Second Edition) : 2007+A1:2010 and EN 61347-2-13:2006 used in conjunction with EN 61347-1:2008 + A1:2011

Test procedure: Verification for CE, partial testing (excl. marking & manual)

Non-standard test method.....: This report is valid in conjunction with the test report 12TH0326-60950_x only; designated as 'main report' within this document.
The products were tested and comply with all electrical safety requirements. Additional markings and warnings are required for full compliance.

Test Report Form No......: IEC61347_2_13C

Test Report Form(s) Originator: Intertek Semko AB

Master TRF.....: 2011-06

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This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

Test item description

Trade Mark: TRACOPOWER or CONVERTEC POWER ELECTRONICS

Manufacturer: Convertec Limited

Model/Type reference

TRACOPOWER	CONVERTEC POWER ELECTRONICS	Convertec Drawing No.
TIW 12-124	INWA 024.005	012UWA184
TIW 12-115	INWA 015.008	012UWA183
TIW 12-112	INWA 012.010	012UWA182
TIW 06-103	INWA 003.012	006UWA180
TIW 06-105	INWA 005.010	006UWA181
TIW 06-106	INWA 006.010	006UWA189
TIW 24-112	INWA 012.020	024UWA182
TIW 24-124	INWA 024.010	024UWA184

** Each model can alternatively be marked with a suffix „xyyyy“ for non-safety relevant changes. No impact on safety.

Ratings: TIW 12-124 (012UWA184):

Input: 100-240Vac; 0,33-0,14A; 50/60Hz
Output: 24Vdc / 0,5A / 12W

TIW 12-115 (012UWA183):

Input: 100-240Vac; 0,19-0,14A; 50/60Hz
Output: 15Vdc / 0,8A / 12W

TIW 12-112 (012UWA182):

Input: 100-240Vac; 0,23-0,15A; 50/60Hz
Output: 12Vdc / 1,0A / 12W

TIW 06-103 (006UWA180):

Input: 100-240Vac; 0,10-0,05A; 50/60Hz
Output: 3,3Vdc / 1,2A / 4W

TIW 06-105 (006UWA181):

Input: 100-240Vac; 0,13-0,07A; 50/60Hz
Output: 5Vdc / 1,0A / 5W

TIW 06-106 (006UWA189):

Input: 100-240Vac; 0,15-0,08A; 50/60Hz
Output: 6Vdc / 1,0A / 6W

TIW 24-112 (024UWA182):

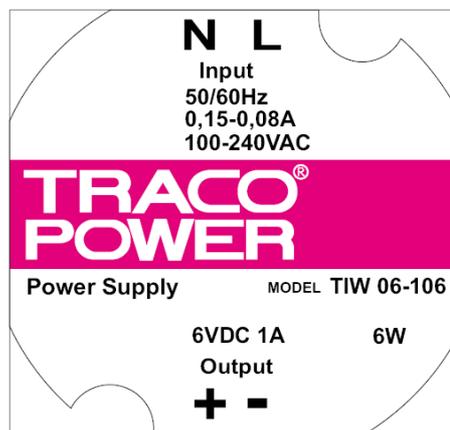
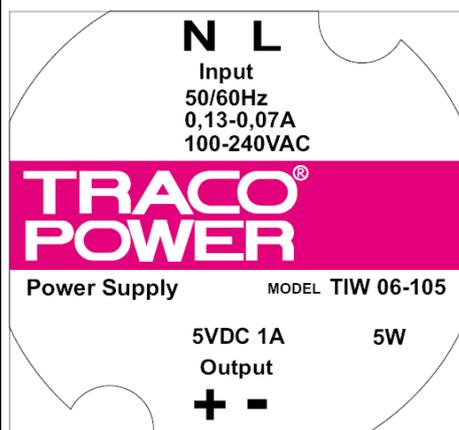
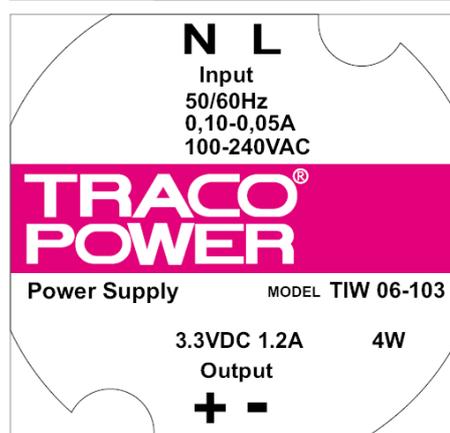
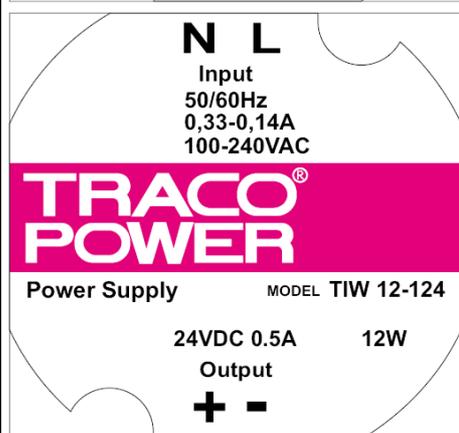
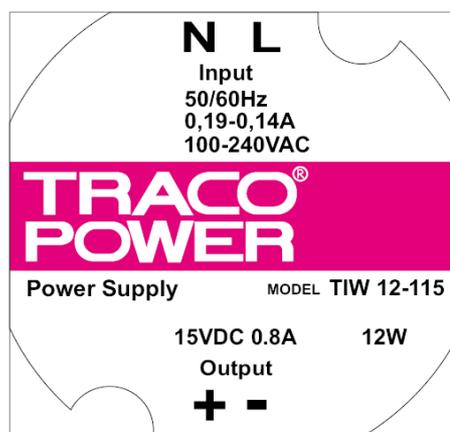
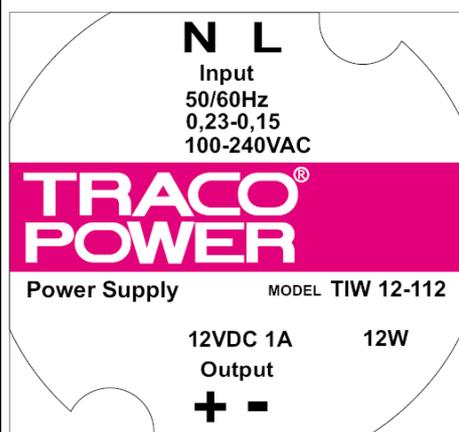
Input: 100-240Vac; 0,42-0,32A; 50/60Hz
Output: 12Vdc / 2,0A / 24W

TIW 24-124 (024UWA184):

Input: 100-240Vac; 0,45-0,30A; 50/60Hz
Output: 24Vdc / 1,0A / 24W

Copy of marking plate

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBS that own these marks.



The image displays two TRACO POWER power supply labels and a certification box. The left label is for Model TIW 24-124, featuring a red TRACO POWER logo, input specifications (50/60Hz, 0.45-0.30A, 100-240VAC), a lambda value of 0.44C, a temperature rating of Tc=87°C, and output specifications (24VDC 1.0A, 24W). The right label is for Model TIW 24-112, featuring a red TRACO POWER logo, input specifications (50/60Hz, 0.42-0.32A, 100-240VAC), a lambda value of 0.41C, a temperature rating of Tc=88°C, and output specifications (12VDC 2.0A, 24W). Both labels include 'N L' input markings and '+ -' output polarity markings. Below the labels is a certification box containing the CE mark, the Bureau Veritas logo with the text 'Component Bauart geprüft', a square symbol, and the text 'Class 2 Power Supply'. A note below the box states: 'Above label is applied to all models.'

Test item particulars	
Classification of installation and use	Built-in
Supply Connection	Permanent connection
.....	---
.....	---
Possible test case verdicts:	
- test case does not apply to the test object.....	N/A
- test object does meet the requirement.....	P (Pass)
- test object does not meet the requirement.....	F (Fail)
Testing	
Date of receipt of test item	Rev. 0: 20. January 2009 Rev. 1: Refer to main report
Date (s) of performance of tests.....	Rev. 0: 20. January 2009 - 10. March 2009 Rev. 1: Refer to main report

Document History			
Date	Internal reference	Modification/Change/Status	Revision
March 31, 2009	MH	Initial report was written.	0
February 21, 2013	ND	Updated to latest revision of standards and new models added. The test report was modified as following: 1. Test report re-written in new test report format 2. New models TIW 24-112 and TIW 24-124 added 3. Model T 1065-01A removed	1

General remarks:

The test results presented in this report relate only to the object tested.
This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.

"(See Enclosure #)" refers to additional information appended to the report.

"(See appended table)" refers to a table appended to the report.

Throughout this report a comma (point) is used as the decimal separator.

Clause numbers between brackets refer to clauses in IEC 61347-1

Manufacturer's Declaration per sub-clause 6.2.5 of IEC 61347-1:

The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided..... :

Yes

Not applicable

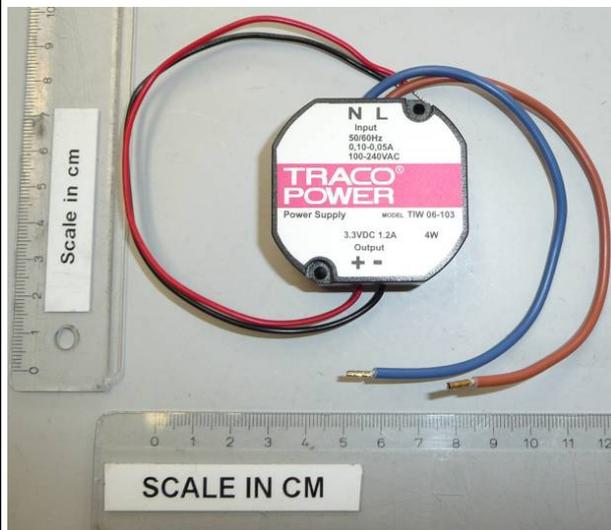
NO CB-SCHEME TEST REPORT

When differences exist; they shall be identified in the General product information section.

Name and address of factory (ies) : Convertec Limited
Whitemill Industrial Estate, Wexford, Republic of Ireland

General product information:

Power supply for built-in use



Full report available for notified bodies on request