



Certificate of Compliance

Certificate: 2666769

Master Contract: 219759

Project: 2666769

Date Issued: November 4, 2013

Issued to: **Convertec Limited**
Whitemill Industrial Estate
Wexford, Wexford
Ireland
Attention: Michael Carey

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Patric Charbonneau

Issued by: Patric Charbonneau, P.T.

PRODUCTS

CLASS 5311 11 - POWER SUPPLIES - Component Type(CSA 60950-1-07-2nd Ed)

CLASS 5311 91 - POWER SUPPLIES - Component Type(UL 60950-1-2nd Ed)Certified to U.S.Stds

- Power Option Modules, Trademarks: TRACO POWER or Convertec Power Electronics, Models and ratings as follows:

TRACO	Convertec	Manufacturer	INPUT	OUTPUT
Model	Model	Reference	Voltage (DC) / Current (A)	Voltage (DC) / Current (A)
TSP-BCM12	USV-KON 012.360	240BCM122	DC-IN: 12V ; BATT- IN: 12V / 12.0A	12V / 12.0A



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TSP-BCM24	USV-KON 024.360	240BCM144	DC-IN: 24V; BATT-IN: 24V / 15.0A	24V / 15.0A
TSP-BCM48	USV-KON 048.360	240BCM155	DC-IN: 48V; BATT-IN: 48V / 6.4A	48V / 6.4A
TSP-BCM24A	USV-KON 024.600	480BCM144	DC-IN: 24V; BATT-IN: 24V / 25.0A	24V / 25.0A
TSP-BCM48A	USV-KON 048.600	480BCM155	DC-IN: 48V; BATT-IN: 48V / 11.0A	48V / 11.0A
TSP-BFM24	SPE-KON	480BUF144	24-28V / 25.0A max.	24-28V / 25.0A max.
TSP-REM360	PARA-KON-024.360	240REM144	IN1: 24V; IN2: 24V / 15.0A	24V / 15.0A
TSP-REM600	PARA-KON-024.600	480REM144	IN1: 24V; IN2: 24V / 25.0A	24V / 25.0A
TSPC-DCM600	PARD-KON-048	480ISO144	IN1: 24V; IN2: 24V / 25.0A	24V / 25.0A
TSP-BCM360	USV-KON 024.048.360	360PSN149USV	IN1: 24V/48V / 15.0A/7.5A IN2: 24V/48V / 15.0A/7.5A BATT-IN: 13.8V / 30.0A	24V/48V / 15.0A/7.5A 24V/48V / 15.0A/7.5A 22.4V/44.9V / 10.0A/5.0A

Notes:

- The products have been evaluated as components where the suitability of the combination within the final application shall be evaluated for safety.
- The products have been evaluated for use in a Pollution Degree 2 and Overvoltage Category II environment at a maximum altitude of 2000m.
- The products have been evaluated as service accessible only.
- The products have been evaluated to be supplied by power supplies from the TSP/INBO series and TSPC only.



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APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 60950-1-07 + Am1:2011 – Information Technology Equipment – Safety – Part 1: General Requirements

UL 60950-1, Second Edition + Am1:2011 – Information Technology Equipment – Safety – Part 1: General Requirements



Supplement to Certificate of Compliance

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The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
2666769	Nov 4, 2013	CSA c/us certification of a family of DC/DC power option modules from TSP/KON Series, trademarks: Traco Power and Convertec Power Electronics, in compliance with CSA/UL 60950-1 (2nd Ed.) + Am1, with additional requirements of UL 508 (17th Ed).