

TDK-Lambda Americas Inc.
405 Essex Rd.
Neptune, NJ 07753 USA
Phone: +1 732-795-4100
Toll Free: +1 800-LAMBDA4
www.us.lambda.tdk.com

EU DECLARATION OF CONFORMITY



i3A series

We, TDK-Lambda Americas Inc., of 405 Essex Rd., Neptune, NJ 07753 USA, declare under our sole responsibility that the TDK-Lambda power supplies, as detailed on the attached products covered sheets, comply with the provisions of the following European Directives and are eligible to bear the CE mark:

Low Voltage	Directive 2014/35/EU
RoHS	Directive 2011/65/EU (as amended by 2015/863)

Assurance of conformance of the described product with the provisions of the stated EC Directive is given through compliance to the following standards:

Electrical Safety (LVD)	EN 62368-1:2014/AC:2015
Restriction of Hazardous Substances (RoHS)	EN 63000:2018

Our representative in the EU is TDK-Lambda Germany GmbH, located at Karl-Bold-Str. 40, 77855 Achern, Germany.

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UK DECLARATION OF CONFORMITY



i3A series

We, TDK-Lambda Americas Inc., of 405 Essex Rd., Neptune, NJ 07753 USA, declare under our sole responsibility that the TDK-Lambda power supplies, as detailed on the attached products covered sheets, comply with the provisions of the following European Directives and are eligible to bear the UKCA mark:

Electrical Equipment (Safety) Regulations 2016

Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment Regulations 2012

Assurance of conformance of the described product with the provisions of the stated UK Regulation is given through compliance to the following standards:

Electrical Safety EN 62368-1:2014/AC:2015

Restriction of Hazardous Substances (RoHS) EN 63000:2018

Our representative in the UK is TDK-Lambda UK Ltd, located at Kingsley Avenue, Ilfracombe, Devon, EX34 8ES, UK.

i3A series – Products Covered

Product Overview: The i3A product family consists of high density, non-isolated DC-DC power modules intended to be purchased and used as a component in an end-user's power system. The modules will be offered in multiple input voltage and output voltage ranges. The input ranges from 9 – 53Vdc input. The output voltage will be adjustable between 0V to 30V. The rated output power will be 100W or less.)

Models / Ratings:

i3A4W***A%%V-0xx(-R)

Where:

4W represents input voltage between 9-53Vdc input, 10A max input current

*** represents rated output current between 0A - 10A

%%V represents rated output voltage between 0Vdc – 30Vdc

0xx indicates a number or alphanumeric character which affects non safety related features

Optional –R indicated RoHS compliance

The table below indicates the preliminary example model numbers:

Model #	Input Voltage (Vdc)	Max Input Current* (A dc)	Output Voltage** (Vdc)	Output Current (A dc)	Max. Output Power
i3A4W005A150V-0xx(-R)	9-53	10	3.3V – 30V	4.5	100W
i3A4W008A033V-0xx(-R)	9-53	10	3.3V – 12V	8	100W

* Maximum input current will be a data sheet parameter telling the customer the maximum current the power module will draw from 0V_{in} to V_{in,max}. The typical current draw will be significantly lower. Fuse value for testing shall be as specified in the product data sheet.

** The output voltage will be adjustable by the customer over a wide range as shown Models / Ratings and in the table. When the output voltage is adjusted up the maximum output power is fixed (i.e. maximum output current is decreased). When the output voltage is adjusted down, the maximum output current is fixed (i.e. available output power is decreased).

i3A series – Signature Page

Name of Authorized Signatory	Christopher Haas
Signature of Authorized Signatory	
Position of Authorized Signatory	Head of Quality & Compliance Europe
Date	30 th November 2021
Date when this CE declaration first issued	29 th June 2017
Date when this UKCA declaration first issued	10 th September 2021
Place where signed	Achern, Germany

This declaration is signed for and on behalf of TDK-Lambda