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EU DECLARATION OF CONFORMITY



iEH 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.

iEH series – Products Covered

iEH48025A120V-xxx(-R), iEH48020A120V-xxx(-R), iEH4N028A108V-xxx(-R), iEH4N033A096V-xxx(-R), iEH4N031A096V-xxx(-R), iEH4N040A120V-xxx(-R), iEH4N042A108V-xxx(-R)

Where:

xxx represents a three digit combination of numbers and/or letters which indicate the feature set
-R option, designates RoHS compliance

Model No.	Input Voltage	Max Input Current (1)	Output Voltage (2)	Output Current	Max. Output Power
iEH48025A120V-xxx(-R)	36 – 75V	9.0A	12V	25A	300W
iEH48020A120V-xxx(-R)	36 – 75V	7.5A	12V	20A	240W
iEH4N028A108V-xxx(-R)	51 – 55V	6.5A	10.8V	28A	302W
iEH4N033A096V-xxx(-R)	38 – 55V	8.5A	9.6V	33.3A	320W
iEH4N031A096V-xxx(-R)	38 – 55V	8.0A	9.6V	31.3A	300W

(1) Maximum input current will be a data sheet parameter telling the customer the maximum current the power module will draw from 0Vin to Vin,max. The typical current draw will be lower. iEH module uses the transformer turns ratios such that the output voltage regulation will be out of spec (targeted output voltage) in the voltage range between 36V and 42V for 12V output codes (or between 38V and 41V for 9.6V output codes). The power modules are not internally fused. An external input line fast-acting fuse with a maximum value of 15A is required.

(2) The output voltage can NOT be externally adjusted for iEH products except for 5V product

Model No.	Input Voltage	Max Input Current (1)	Output Voltage (2)	Output Current	Max. Output Power
iEH4N040A120V-xxx(-R)	49.5 – 55.5V	10.5A	12V	40A	480W
iEH4N042A108V-xxx(-R)	49.5 – 55.5V	9.8A	10.8V	42A	454W

(1) Maximum input current will be a data sheet parameter telling the customer the maximum current the power module will draw from 0Vin to Vin,max. The typical current draw will be lower. iEH module uses the transformer turns ratios such that the output voltage regulation will be out of spec (targeted output voltage) in the input voltage range between 43V and 49.5V for 12V output codes. The power modules are not internally fused. An external input line fast-acting fuse with a maximum value of 15A is required.

(2) The output voltage can NOT be externally adjusted for iEH products.

The part number is completed with a -xxx where the three digits indicate the feature set. The feature set is considered to be non-safety affecting changes. Changes to the feature set could be mechanical changes such as modifying the pin length or could be electrical changes such as adding or modifying a control function e.g. modifying the logic for the customer on/off interface. -1xx suffix indicates that the module has a base-plate for better thermal de-rating. -2Ux suffix indicates that the module has an integrated base-plate with fins and the bottom cooling feature for even better thermal de-rating.

iEH 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	12 th August 2015
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