

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



HQA 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



HQA 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.

HQA series – Products Covered

HQA24***A%%V-xxx(-S)(-?)

where 24 represents nominal input voltage, with a 18-40Vdc input

*** represents rated output current between 0A – 2.5A,

%%V represents rated output voltage ,48Vdc, with Max Output Power of 120W

and xxx indicates a number or alphanumeric character which affects non safety related features

Optional–S indicating standard, or –M indicating enhanced, with optional –? (indicating Non safety related option) following the previous option

HQA2W***A%%V-xxx(-S)(-?)

where 2W represents nominal input voltage, with a 9-40Vdc input, with a Max Input Current of 16A

*** represents rated output current between 2.5A – 35A,

%%V represents rated output voltage between,3.3Vdc - 28Vdc, with Max Output Power of 120W

and xxx indicates a number or alphanumeric character which affects non safety related features

Optional–S indicating standard, or –M indicating enhanced, with optional –? (indicating Non safety related option) following the previous option

The matrix below (Table 1) indicates various HQA Example model numbers with the output power levels up to 120W.

Table 1

Model No.	Input Voltage	Max Input Current (1)	Output Voltage (2)	Output Current	Max. Output Power
HQA24120W480V-xxx(-S)	18-40V	9	48V	2.5A	120W
HQA2W120W280V-xxx(-S)	9-40V	16	28V	4.28A	120W
HQA2W120W240V-xxx(-S)	9-40V	16	24V	5A	120W
HQA2W120W150V-xxx(-S)	9-40V	16	15V	8A	120W
HQA2W120W120V-xxx(-S)	9-40V	16	12V	10A	120W
HQA2W120W080V-xxx(-S)	9-40V	16	8V	15A	120W
HQA2W120W050V-xxx(-S)	9-40V	16	5V	24A	120W
HQA2W115W033V-xxx(-S)	9-40V	16	3.3V	35A	115.5W

(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. HQA power modules are not internally fused. An external input line fast-acting fuse with a maximum value of 20A is required.

(2) The output voltage can be externally adjusted for HQA products, adjustment range will be +20% or – 50% or less.

HQA series – Signature Page

Name of Authorized Signatory	Christopher Haas
Signature of Authorized Signatory	
Position of Authorized Signatory	Head of Quality & Compliance Europe
Date	24 th November 2021
Date when this CE declaration first issued	24 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