DECLARATION OF CONFORMITY
HQA SERIES

TDK-Lambda Americas Inc.
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We TDK-Lambda Americas Inc. declare under our sole responsibility that the HQA series of Product as detailed on the attached products covered sheet or below, comply with the provisions of the following European directives and are eligible to bear the CE mark.

Low Voltage	Directive 2006/95/EC (until 19 April 2016) Directive 2014/35/EU (from 20 April 2016)
RoHS 2	Directive 2011/65/EU (8 June 2011)

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

DIN EN 60950-1 (VDE 0805-1):2014-08
EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011+A2:2013
IEC 60950-1:2005 (Second Edition) + Am 1:2009 + Am 2:2013

The VDE Testing and Certification Institute (EU Identification No.0366), Merianstr. 28, 63069 Offenbach(Germany), has tested and certified the product.

Last two digits of the year in which the CE marking was affixed:15

Certificate No. 40042847
File Reference 2520400-3336-0050 / 215009

Our European Representative in the EU is TDK-Lambda UK Limited, Kingsley Avenue, Ilfracombe, Devon, EX34 8ES, UK. Further, all products covered by this declaration are manufactured in accordance with ISO9000:2008.

Richardson, Texas 08/24/2015	Eugene Abbass	Quality Engineer
(Place, Date)		(Legally binding signature of the issuer)
Richardson, Texas 08/24/2015	Steven J McKittrick	Product Safety Engineer
(Place, Date)		(Legally binding signature of the issuer)

PRODUCT COVERED SHEET

Type Designation
Models:
HQA24***A%%%V-xxx(-S)(-?)
where 24 represents nominal input voltage, with a 18-40Vdc input
*** represents rated output current between 0A – 2.5A,
%%% 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,
%%% 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.