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EU DECLARATION OF CONFORMITY

iHG series

We, TDK-Lambda Americas Inc., DTC, of USA declare under our sole responsibility that the TDK-Lambda power supplies, as detailed on the attached products covered sheets, complies with the provisions of the following European Directives and is eligible to bear the CE mark:

Low Voltage Directive 2014/35/EU


RoHS 10 Directive 2015/863/EU

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) EN60950-1:2006 + A2:2013

Note: The EMC performance of a component power supply will be affected by the final installation, compliance to the EMC standards and conformance to the EMC Directive must be confirmed after installation by the final equipment manufacturer. For guidance with respect to test conditions please visit our website at 'emea.tdk-lambda.com/EMC_guidance' or contact your local TDK-Lambda sales office.

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

Name of Authorized Signatory:	Steven F. McKittrick
Signature of Authorized Signatory:	
Position of Authorized Signatory:	Engineer
Date:	2019-06-25
Date when first CE marked:	2015-12-01
Place where signed:	Richardson, Texas

The products covered by this declaration are:

Product Designation

iHG48***A%%V-xxx where *** represents rated output current between 10 A – 80 A, %%% represents rated output voltage between 1.2 V – 12 V and xxx represents a number or alphanumeric character which affects non safety related features.

Ratings: iHG48***A%%V-xxx

Input: 36 Vdc – 75 Vdc, 38 Vdc – 75 Vdc (TNV2), 14 A max

Output: 1.2 Vdc – 12 Vdc, 10 A – 80 A, 456 W maximum

MODEL No.	Input Voltage	Max Input Current (1)	Output Voltage (2)	Output Current	Max. Output Power
iHG48020A050V-xxx	36-75 V	3.5 A	5 V	20 A	100 W
iHG48010A050V-xxx	36-75 V	1.8 A	5 V	10 A	50 W
iHG48030A033V-xxx	36-75 V	3.5 A	3.3 V	30 A	99 W
iHG48030A025V-xxx	36-75 V	2.6 A	2.5 V	30 A	75 W
iHG48030A018V-xxx	36-75 V	1.9 A	1.8 V	30 A	54 W
iHG48030A015V-xxx	36-75 V	1.6 A	1.5 V	30 A	45 W
iHG48030A012V-xxx	36-75 V	1.3 A	1.2 V	30 A	36 W

MODEL No.	Input Voltage	Max Input Current (1)	Output Voltage (2)	Output Current	Max. Output Power
iHG48060A050V-xxx	36-75 V	9.3 A	5 V	60 A	300 W
iHG48050A050V-xxx	36-75 V	7.7 A	5 V	50 A	250 W
iHG48040A050V-xxx	36-75 V	6.2 A	5 V	40 A	200 W
iHG48070A033V-xxx	36-75 V	7.2 A	3.3 V	70 A	231 W
iHG48060A025V-xxx	36-75 V	4.7 A	2.5 V	60 A	150 W
iHG48060A018V-xxx	36-75 V	3.4 A	1.8 V	60 A	108 W
iHG48060A033V-xxx	36-75 V	6.1 A	2.5 V	60 A	198 W
iHG48080A025V-xxx	36-75 V	6.3 A	2.5 V	80 A	200 W
iHG48080A018V-xxx	36-75 V	4.7 A	1.8 V	80 A	144 W
iHG48080A015V-xxx	36-75 V	4.0 A	1.5 V	80 A	120 W
iHG48080A012V-xxx	36-75 V	3.3 A	1.2 V	80 A	96 W

MODEL No.	Input Voltage	Max Input Current (1)	Output Voltage (2)	Output Current	Max. Output Power
iHG48038A120V-xxx	38-75 V	14 A	12 V	38 A	456 W
iHG48035A120V-xxx	36-75 V	12.7 A	12 V	35 A	420 W
iHG48025A120V-xxx	36-75 V	9.5 A	12 V	25 A	300 W
iHG48040A096V-xxx	36-75 V	11.8 A	9.6 V	40 A	384 W
iHG48040A083V-xxx	36-75 V	10.5 A	8.3 V	40 A	332 W
iHG48040A075V-xxx	36-75 V	9.5 A	7.5 V	40 A	300 W

(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. The power modules **are not internally fused**. An external input line fuse with a maximum value of **20A** is required.

(2) The output voltage will be adjustable by the customer over a range of -20% to +10% of the nominal output voltage 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.