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## EU DECLARATION OF CONFORMITY

### NV300 Series

We, TDK-Lambda UK Limited, of Kingsley Avenue, Ilfracombe, Devon, EX34 8ES declare under our sole responsibility that the TDK-Lambda NV300 series of 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
EMC Directive	2014/30/EU
RoHS Directive	2011/65/EU
RoHS Directive (EU)	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)	EN60950-1:2006 + A2:2013
Electromagnetic Compatibility (EMC)	EN61000-6-3:2007 + A1:2011 EN61000-6-2:2005 EN61204-3:2001 EN55024:2010 EN55032:2015

Our representative in the EU is TDK-Lambda Germany GmbH, located at Karl-Bold-Str. 40, 77885 Achern, Germany.

Note: The EMC performance of a component power supply will be affected by the final installation, compliance to the stated 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 [https://emea.lambda.tdk.com/EMC\\_Guidance](https://emea.lambda.tdk.com/EMC_Guidance) or contact your local TDK-Lambda sales office.

Name of Authorized Signatory	Christopher Haas
Signature of Authorized Signatory	
Position of Authorized Signatory	Technical Manager and Head of Quality & Compliance, TDK-Lambda Germany GmbH
Date	22 <sup>nd</sup> October 2019
Date when first CE marked	01 <sup>st</sup> February 2007
Place where signed	Achern, Germany

## PRODUCTS COVERED FOR THE NV300

### Unit Configuration Code:

NVx-abcde-f-g-ijk

- where:
- x = A3 for NV300
  - a = Number of Outputs: 1, 2, 3 or 4
  - b = Channel 1 Output Voltage†: 5, T or G
  - c = Channel 2 Output Voltage†: 1, 2, 2H, 3, 3H, 5, 5H, T, F or 0
  - d = Channel 3 Output Voltage†: T, F, TH, FH, G or 0
  - e = Channel 4 Output Voltage†: 3H, 5H, T, F, TH, FH, 0H (fan only channel 4 output) followed by P for positive output or 0
  - f = Global Option : N3 for 5V version with ATX compatibility, N4 for 12V version with ATX, N5 for 13.5V version ATX compatibility or nothing for no Global Option present
  - g = U for U chassis, C for U chassis and cover, F for U chassis and cover with fan, I for U chassis and cover with fan and IEC inlet or nothing for Open Frame
  - ijk = Three numbers from 0 to 9 which denotes various output voltages and currents within the specified ranges of each output for a particular unit or blank for standard output settings

† Table1: Output Voltage Cross Reference

Designation	Output Voltage
0	Omit output
A	1.5
1	1.8
B	2
2	2.7
3	3.3
5	5
7	7
T	12
F	15
G	24

All channels are adjustable except for Channel 4 and Global Options in accordance with the following table:

CH1	5	5	5 - 5.5	40A	200
	T	12	12 - 13.2	25A	300
	G	24	24 - 28.5	12.5A	300
CH2 (CH1 5V)	1	1.8	0.9 - 2.5	15A	37.5
	2	2.7	2.5 - 3.8	15A	50
	3	3.3	2.5 - 3.8	15A	50
	3H	3.3	2.5 - 3.8	24A	80
CH2 (CH1 12V)	5	5	3.3 - 5.5	10A	50
	5H	5	3.3 - 5.5	16A	80
CH2 (CH1 24V)	5	5	5 - 5.5	8A	40
	5H	5	5 - 5.5	12.5A	62.5
CH3	T	12	12 - 15.5	10A	150
	F	15	12 - 15.5	10A	150
	T	12	12 - 15	5A	60
	F	15	12 - 15	5A	60
	TH	12	12 - 15	8A	96
CH4	FH	15	12 - 15	8A	96
	G	24	18 - 24.5	2.5A	60
	3H	+/-3.3	Fixed	2A	6.6
	5H	+/-5	Fixed	2A	10
	T	+/-12	Fixed	1A	12
	F	+/-15	Fixed	1A	15
	TH	+/-12	Fixed	2A	24
	FH	+/-15	Fixed	2A	30
CH4 (fan output)	OH	-	-	-	-
Global Option	N3	5 (ATX version)	Fixed	2A	10
	N4	12 (ATX version)	Fixed	1A	12
	N5	13.5 (ATX version)	Fixed	1A	13.5

Variations and limitations of use:

1. Maximum 300W power output. With 180Vac and greater input voltage, output power 300W plus global option (max 313.5W)
2. Channels 1 and 2 combined output currents must not exceed 40A.
3. Channel 1 with G output, 25V max with any channel 2 fitted.

Additional variations and limitations of use for fan version with 5V channel 1:

1. Output power de-rated 3W per volt from 100Vac to 90Vac (at 90Vac input, 270W output)
2. Unit with global option, high current channel 2 de-rated to 21A
3. Unit without global option, high current channel 2 de-rated to 19A
4. Unit without global option, low current channel 2 de-rated to 13A

Additional variations and limitations of use for all fan version:

1. Channel 4 - 3H, 5H, TH and FH max output current 1.5A.

The products listed in the following table are typical examples:

Model	CH1	CH2	CH3	CH4	Global Option
NVA3-453FFH	5V/40A	3.3V/15A	15V/5A	-15V/2A	-
NVA3-453HFHFH-N3	5V/40A	3.3V/24A	15V/8A	-15V/2A	5V/2A
NVA3-4GFGT-N5	24V/12.5A	15V/10A	24V/2.5A	-12V/1A	13.5V/1A

Custom models:

Model: NVA3 4G5HFHFH-N3-I (Y30006A)

Maximum outputs: CH1:24V, 6A. CH2:5V, 6A. CH3:15V, 3A. CH4:15V, 0.5A.

Maximum ambient: 40°C

Orientation: Horizontal

Comments: Reverse air, 8.2VDC fixed speed fan, compliant with 60950-1 only.

Model: NVA3 4G5HFHFH-N3-I (Y30006#) where # can be any letter except A

Maximum outputs: CH1:24V, 6A. CH2:5V, 6A. CH3:15V, 3A. CH4:15V, 0.5A.

Maximum ambient: 50°C

Orientation: Horizontal

Comments: Reverse air, compliant with 60950-1 only.

# denotes any non-safety related changes.