

# UL- EU CERTIFICATE

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**Date of Issue** 2019-03-15

**Certificate Holder** TDK-LAMBDA SINGAPORE PTE LTD  
#06-01/08  
1008 TOA PAYOH NORTH  
SINGAPORE, 318996 Singapore

**Manufacturer** TDK-LAMBDA SINGAPORE PTE LTD  
#06-01/08  
1008 TOA PAYOH NORTH  
SINGAPORE, 318996 Singapore

**Production site** TDK-LAMBDA MALAYSIA SDN BHD  
PLO33 KAWASAN PERINDUSTRIAN SENAI  
SENAI, 81400 JOHOR Malaysia

**Certified Product Model** Switching Power Supply for building-in  
GWS250-XX/YYYYYYYYYYYYYY  
See Page 2

**Trademark**

***TDK-Lambda***

**Rated Voltage / Frequency** See Page 2

**Rated Current / Power** See Page 2

**Insulation Class** I

**Degree of protection (IP)** X0

**Tested acc. to** EN 62368-1:2014/A11:2017, EN 62368-1:2014

**Test Report No.** E252373-A6007-CB-1 issued on 2019-03-14

**Additional  
Expire date** 2029-03-14

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**Certification Manager**  
Jan-Erik Storgaard  
UL International Demko A/S  
Borupvang 5A  
2750 Ballerup  
Denmark

This is to certify that representative sample(s) of the Product described herein ("Certified Product") have been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the UL-EU Requirements. The designated Certificate holder is entitled to use the UL-EU Mark for the Certified Product manufactured at the production site(s) identified above, in accordance with the UL-EU Mark Service Agreement, including without limitation the UL-EU Mark Testing and Certification Services Service Terms. Only those Products bearing the UL-EU Mark for Europe should be considered as being covered by UL's UL-EU Mark Service. This Certificate shall remain valid through the expiration date, unless terminated earlier in accordance with the Service Agreement including without limitation if the Standard(s) identified on this Certificate is amended or withdrawn prior the expiration date.

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# Appendix UL-EU CERTIFICATE

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## Model Details:

GWS250-XX/YYYYYYYYYYYYYY

where XX can be 12, 24, 36, 48 and Y options can be any combination of P,F,L,RL,CO,CO2,ME,T or blank.

GWS250-24/BATYYYYYYYYYY,GWS250-24/PBATYYYYYYYYYY,GWS250-48/BATYYYYYYYYYY,  
GWS250-48/PBATYYYYYYYYYY

where Y options can be any combination of F,L,RL,CO,CO2,ME,T or blank.

## Ratings:

For Model GWS250-XX/YYYYYYYYYYYYYY (except : Models GWS250-XX/PYYYYYYYYYYYYYY,  
GWS250-XX/BATYYYYYYYYYY, GWS250-XX/PBATYYYYYYYYYY)

Input: 100-240 V ac, 3.3 A, 50/60 Hz

Output:

GWS250-12: 12 V dc (+10.8 - +13.2 V dc), 21 A max;

GWS250-24: 24 V dc (+22 - +28.8 V dc), 10.5 A max;

GWS250-36: 36 V dc (+32 - +40 V dc), 7 A max;

GWS250-48: 48 V dc (+42 - +57.6 V dc), 5.3 A max.

For Model GWS250-XX/PYYYYYYYYYYYYYY only:

Input: 100-240 V ac, 4.8 A, 50/60 Hz

Output:

GWS250-12/P: 12 V dc (+10.8 - +13.2 V dc), 29.2 A max;

GWS250-24/P: 24 V dc (+22 - +28.8 V dc), 14.6 A max;

GWS250-36/P: 36 V dc (+32 - +40 V dc), 9.7 A max;

GWS250-48/P: 48 V dc (+42 - +57.6 V dc), 7.3 A max.

For Models GWS250-24/BATYYYYYYYYYY and GWS250-48/BATYYYYYYYYYY only:

Input: 100-240 V ac, 3.3 A, 50/60 Hz

Output:

GWS250-24/BAT: 21-29 V dc, 8.8 A

GWS250-48/BAT: 42-58 V dc, 4.4 A

For Models GWS250-24/PBATYYYYYYYYYY and GWS250-24/PBATYYYYYYYYYY only:

Input: 100-240 V ac, 4.8 A, 50/60 Hz

Output:

GWS250-24/PBAT: 21-29 V dc, 12.2 A

GWS250-48/PBAT: 42-58 V dc, 6.1 A

## Certification Body

UL International Demko A/S  
Borupvang 5A  
2750 Ballerup  
Denmark

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## Certification Mark UL-EU Mark

The UL-EU Mark, as displayed below, shall appear on certified products only. Minimum size is not specified, as long as the Mark is legible. The following is suggested.



The minimum height of the registered trademark symbol ® shall be 1 mm. When the overall diameter of the UL-EU Mark is less than 9.5 mm, the trademark symbol may be omitted if it is not legible to the naked eye.

The UL-EU Mark may appear on a label, nameplate, or may be cast, stamped or molded into the product. When appearing on a label or nameplate, the Manufacturer's name or trademark along with a model number are also required on that same label or nameplate. If cast, stamped or molded, the Manufacturer's name or trademark and model number shall also appear elsewhere on the product.

All content shall be in accordance with the details provided on this UL-EU Certificate.

## PROCUREMENT

The Production site may reproduce the Mark or obtain it from a UL authorized supplier. The list of UL authorized suppliers can be found on UL's online directory at [www.ul.com](http://www.ul.com)

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