

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

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with the Service Agreement including without limitation if the Standard(s) identified on this Certificate is amended or withdrawn prior the expiration date.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/YYYYYYYYYYYYYYY

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/BATYYYYYYYYYYY,GWS250-24/PBATYYYYYYYYYYY,GWS250-48/BATYYYYYYYYYYY,
GWS250-48/PBATYYYYYYYYYYY

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

Ratings:

For Model GWS250-XX/YYYYYYYYYYYYYYY (except : Models GWS250-XX/PYYYYYYYYYYYYYYY,
GWS250-XX/BATYYYYYYYYYYY, GWS250-XX/PBATYYYYYYYYYYY)

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/PYYYYYYYYYYYYYYY 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/BATYYYYYYYYYYY and GWS250-48/BATYYYYYYYYYYY 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/PBATYYYYYYYYYYY and GWS250-24/PBATYYYYYYYYYYY 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

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