

# UL- EU CERTIFICATE

**Certificate No.** UL-EU-01659-A1  
**Page** 1/3  
**Date of Issue** 2019-01-04

**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  
GWS500-XX/YYYYYYYYYYYYYYY  
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-A6001-CB-1 issued on 2018-12-27

**Additional** for building-in

**Expire date** 2028-12-27

---

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the Service Agreement including without limitation if the Standard(s) identified on this Certificate is amended or withdrawn prior the expiration date.

[www.ul.com](http://www.ul.com)



# Appendix UL-EU CERTIFICATE

**Certificate No.** UL-EU-01659-A1  
**Page** 2/3  
**Date of Issue** 2019-01-04

## Model Details:

GWS500-XX/YYYYYYYYYYYYYY where XX can be 12, 24, 36, 48 and Y options can be any combination of /L, /RL, /CO, /CO2, /ME, /FG, /T, /BAT, /F, /3K, /LPV or blank.

## Ratings:

Input: 100-240 Vac; 6 A; 50/60 Hz

## Output:

For Model GWS500-XX/YYYYYYYYYYYYYY except Model GWS500-XX/BATYYYYYYYYYYY and GWS500-XX/LBATYYYYYYYYYYY

GWS500-12: 12 V dc (+10.8 - +13.2 Vdc); 42 Amax;

GWS500-24: 24 V dc (+22 - +28.8 Vdc); 21 Amax;

GWS500-36: 36 V dc (+32 - +40 Vdc); 14 Amax;

GWS500-48: 48 V dc (+36 - +57.6 Vdc); 10.5 Amax.

For Model GWS500-XX/BATYYYYYYYYYYY:

GWS500-24/BAT: 21-29 V dc; 17.6 A

GWS500-36/BAT: 32-40 V dc; 12.7 A

GWS500-48/BAT: 42-58 V dc; 8.8 A

For Model GWS500-XX/LBATYYYYYYYYYYY:

GWS500-24/LBAT: 21-29 V dc; 17.6 A

GWS500-36/LBAT: 32-40 V dc; 12.7 A

GWS500-48/LBAT: 42-58 V dc; 8.8 A

## Additional Information:

This certificate replaces the UL-EU certificate No. UL-EU-01659 dated 2018-12-28 due to update factory info.

## Certification Body

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.



# Appendix UL-EU CERTIFICATE

Certificate No. UL-EU-01659-A1  
Page 3/3  
Date of Issue 2019-01-04

## 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)

**Certification Body**  
UL International Demko A/S  
Borupyang 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.

