

# ENEC LICENSE

**License No.** ENEC-02792-M1  
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**Date of Issue** 2020-04-09

**License Holder** ENERGY RECOVERY PRODUCTS (ZHUHAI) CO LTD  
NANPING SCIENTIFIC TEC INDUSTRY PARK  
NO 8 PINGDONG RD 2  
ZHUHAI, 519060 GUANGDONG China

**Production site** ENERGY RECOVERY PRODUCTS (ZHUHAI) CO LTD  
NANPING SCIENTIFIC TEC INDUSTRY PARK  
NO 8 PINGDONG RD 2  
ZHUHAI, 519060 GUANGDONG China

**Certification Mark** See Annex 1  
**Certified Product** d.c. or a.c. supplied electronic controlgear for LED modules  
**Model** DALPPW-XXXX-VV-T-YYYYY-ZZZZZ  
See Page 2

**Trademark** ERP

**Rated Voltage / Frequency** Input: 220-240 Vac, 50/60 Hz, Max. 0.28 A; PF:0.9C  
Output : see model list  
Built-in, double insulation, SELV, constant current output, tc:  
90°C; non-inherently short circuit proof and 100°C declared  
thermally protected lamp controlgear., See Page 2

**Rated Current / Power** See Rated Voltage / Frequency

**Insulation Class** II

**Degree of protection (IP)** -

**Tested acc. to** EN 61347-1:2015, EN 61347-2-13:2014/A1:2017, EN  
61347-2-13:2014, EN 62384:2006/A1:2009, EN 62384:2006

**Test Report No.** 4789057363.1.1 issued on 2020-03-29, 4789057363.1.2 issued  
on 2020-03-29

**Additional** The report was revised to include technical modifications

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**Certification Manager**  
Jan-Erik Storgaard

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 License, in accordance with the ENEC Requirements. The Designated License holder is entitled to use the ENEC 15 Mark (as shown in annex 1) for the Certified Product manufactured at the production site(s) identified above in accordance with the ENEC Mark Service Agreement including without limitation the ENEC Mark Testing and Certification Services Service Terms. Only those Products bearing the ENEC Mark should be considered as being covered by UL's ENEC Mark Service. This License shall remain valid unless terminated earlier in accordance with the Service Agreement including without limitation if the Standard identified on this Certificate is amended or withdrawn prior the Date of Withdrawal of conflicting Standard(s).

**Certification Body**

UL International Demko A/S, Borupvang 5A, DK-2750  
Ballerup, Denmark, Tel. +45 44 85 65 65, info.dk@ul.com  
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## Model Details:

DALPPW-XXXX-VV-T-YYYYY-ZZZZZ

## Model Nomenclature:

1. "PP" – Denotes output power (Pout) rating code. PP" – If  $P_{out} \leq 10W$ , "PP"=10; if  $10W < P_{out} \leq 20W$ , "PP"=20; if  $20W < P_{out} \leq 30W$ , "PP"=30; if  $30W < P_{out} \leq 40W$ , "PP"=40; if  $40W < P_{out} \leq 50.4W$ , "PP"=50.
2. "XXXX" – Denotes regulated output current. Regulated output current is not greater than Max. output regulated current within the output current range.
3. "VV" – Denotes Maximum output voltage, it may be "08-56" Vdc.
4. "-YYYYY"-Denotes customer code for market purpose only. It could be blank, 2 - 5 digits, any combination of alphanumeric characters or blank;
5. "-ZZZZZ" - Denotes customer code for market purpose only. It could be blank, 2- 5 digits, any combination of alphanumeric characters or blank.

## Model List:

Models	programmable Max. current (mA)	Max output Voltage (V dc)	Max. no load Voltage (V dc)	Max. output power (W)
DAL10W-XXXX-VV-T-YYYYY-ZZZZZ	100-1200	56	60	10
DAL20W-XXXX-VV-T-YYYYY-ZZZZZ	100-1200	56	60	20
DAL30W-XXXX-VV-T-YYYYY-ZZZZZ	100-1200	56	60	30
DAL40W-XXXX-VV-T-YYYYY-ZZZZZ	100-1200	56	60	40
DAL50W-XXXX-VV-T-YYYYY-ZZZZZ	100-1200	56	60	50.4

## Additional Information:

This certificate replaces previous certificate no. ENEC-02792 issued on 2019-09-18, due to:

- Update Model/Type reference and add Model nomenclature for Series model DALPPW-XXXX-VV-T-YYYY-ZZZZ
- Update Ratings and add Marking Plate.

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# Annex 1 to License No.

## ENEC-02792-M1

Annex of the form of the Mark



\* Identification number of the Certification Body

Size of the mark:

The size of the mark may be reduced on the condition that it remains legible and that the ratio  $b/a=1,7$  is kept

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