



# Licence

## for the use of SIQ Type Approved certification mark

**Number:** SI-SIQ BG 004/230 **Project file:** C20192590

**Product:** DC UPS MODULE

**Type reference:** DRU-24V40ABX (X: 0-9, a-z, A-Z or blank)

**Trademark:** DELTA ELECTRONICS, INC.

**Ratings:** See page 2

**Applicant / Licensee:** Delta Electronics (Thailand) Public Co., Ltd.  
909 Soi 9, Moo 4, Bangpoo Industrial Estate (E.P.Z.), Pattana 1 Road,  
Tambol Phraksa, Amphur Muang, Samutprakarn TH-10280, Thailand

**Manufacturer:** Delta Electronics (Thailand) Public Co., Ltd.  
909 Soi 9, Moo 4, Bangpoo Industrial Estate (E.P.Z.), Pattana 1 Road,  
Tambol Phraksa, Amphur Muang, Samutprakarn TH-10280, Thailand

SIQ hereby grants the right to use the SIQ Type Approved certification mark of conformity on the products specified in this document. The SIQ Type Approved certification mark of conformity signifies the compliance of the products with requirements of cited standards.

**Certification mark:**



**Standard:** EN 62368-1:2014 + A11:2017

**Test report:** T223-0659/19 dated 2019-11-27

**Remarks:** This licence has been issued under the presumption and conditional on the fact that the licensee holds all necessary legal rights with regard to the product presented for testing and certification.

This licence is valid as long as the conditions laid down in the listed standards are not modified significantly and until the licensee complies with the SIQ's rules on product certification.

**Date:** 2019-11-27

**Authorized signature:**

Bojan Pečavar

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**Number:** SI-SIQ BG 004/230

### Additional remarks:

The list of critical components of the product for which this licence is granted is included in the test report.

Unit was also investigated and found to be in compliance with clearance and creepage distance requirements of clause 4.4.7.4 and 4.4.7.5 of IEC/EN 62477-1:2012 +A11:2014 for DC mains with transient level of 1500Vpk and altitude of 3000m. Output was classified as DVC A. DVC A means that output meets SELV limits for an area of contact equal to human hand under dry condition.

Requirements in EN 60204-1:2006 + A1:2009 (clearance and creepage distances) and IEC 62103-1:2003 (safety part only) are also verified and found to be less strict than in above mentioned standards.

Output must be earthed in the final unit in order to comply with PELV requirements according to standard EN 60204-1:2006 + A1:2009.

### Places of manufacture, inspection file number:

1.)

**Delta Electronics (Thailand) Public Co., Ltd.**  
909 Soi 9, Moo 4, Bangpoo Industrial Estate (E. P. Z),  
Pattana 1 Rd., Tambol Phraksa, Amphur Muang,  
Samutprakarn TH-10280, Thailand  
(inspection file number: 16343-16343)

2.)

**Delta Electronics (Jiangsu) Ltd.**  
No. 1688 Jiangxing East Road,  
Wujiang Economics Development Zone,  
Song Ling Town, Wujiang City,  
Jiangsu Province, CN-215200, P.R China  
(inspection file number: 16343-27133)

### Ratings:

**NORMAL MODE:**

Input: 24 V d.c.;  $\leq 40$  A; Output: 0-40 A continuous

**BUFFER MODE:**

Output 23-28 V d.c., 0-40 A continuous

**BATTERY:**

Charging/Discharging current 2,0 A/40 A

### Limitation:

/

**Date:** 2019-11-27

**Authorized signature:**

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**Certification mark:**



**Standard:** EN 60950-1:2006 + A1:2010 + A2:2013 + A11:2009 + A12:2011

**Test report:** T223-0658/19 dated 2019-11-27

**Remarks:** This licence has been issued under the presumption and conditional on the fact that the licensee holds all necessary legal rights with regard to the product presented for testing and certification.

This licence is valid as long as the conditions laid down in the listed standards are not modified significantly and until the licensee complies with the SIQ's rules on product certification.

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Unit was also investigated and found to be in compliance with clearance and creepage distance requirements of clause 4.4.7.4 and 4.4.7.5 of IEC/EN 62477-1:2012 +A11:2014 for DC mains with transient level of 1500Vpk and altitude of 3000m. Output was classified as DVC A. DVC A means that output meets SELV limits for an area of contact equal to human hand under dry condition.

Requirements in EN 60204-1:2006 + A1:2009 (clearance and creepage distances) and IEC 62103-1:2003 (safety part only) are also verified and found to be less strict than in above mentioned standards.

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(inspection file number: 16343-16343)

2.)

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No. 1688 Jiangxing East Road,  
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(inspection file number: 16343-27133)

### Ratings:

**NORMAL MODE:**

Input: 24 V d.c.;  $\leq 40$  A; Output: 0-40 A continuous

**BUFFER MODE:**

Output 23-28 V d.c., 0-40 A continuous

**BATTERY:**

Charging/Discharging current 2,0 A/40 A

### Limitation:

This License for the use of SIQ Type Approved certification mark substitutes previously issued license No. SI-SIQ BG 004/063, dated 2013-11-15, due to update of the report.

**Date:** 2019-11-27

**Authorized signature:**

Bojan Pečavar

