

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50477854

Blatt *Sheet*
0002

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum <i>Date of Issue</i>
244349909	01-Zhangzp-60385559 002	16.08.2021 (day/mo/yr)

Genehmigungsinhaber *License Holder*
ABB Power Electronics Inc.
601 Shiloh Road Plano,
Texas 75074
USA

Fertigungsstätte *Manufacturing Plant*
Lineage Power China Co., Ltd.
1353 Chengqiao Road
Fengpu Industrial Park
Fengxian
201401 Shanghai
P.R. China

Prüfzeichen *Test Mark*



Bauart geprüft
Sicherheit
Regelmäßige
Produktions-
überwachung

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ID 1111228145

Geprüft nach *Tested acc. to*
EN IEC 62368-1:2020+A11
EN 62368-1:2014+A11

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Einbau-Schaltnetzteil (Switching Power Supply)

as page 0001

Change

Rated Input : refer to Appendix No. 1.1
Rated Output : refer to Appendix No. 1.1
Max. Operating Temperature : refer to Appendix No. 1.1

ANLAGE (Appendix) : 1.1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.

This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg


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Mark Chen

Produkte
Products
Certificate No.: R 50477854 0002 **Report No.:** 60385559 002 **Appendix No.** 1.1
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Constructional Data Form (CDF) for Electrical Appliances

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License Holder (Name and Address)	: ABB Power Electronics Inc. 601 Shiloh Road Plano, Texas 75074, USA
Factory(ies) (Name and Address)	: Lineage Power China Co., Ltd. 1353 Chenqiao Road Fengpu Industrial Park Fengxian 201401 Shanghai, P.R. China
Type of Appliance	: Switching Power Supply
Brand Name/Trademark	:  (GE)(Optional)
Type Designation	: 1) CLP0112FP, 2) TLP0112FP, 3) TLP0155FP, 4) TLP0154FP
Rating	: Rated Input: 1) 100-240 Vac, 47-63 Hz, 2 A 2) 40-90 Vac, 47-63 Hz (Trapezoidal wave), 4 A or 60-90 Vac (Trapezoidal wave) or 100-120 Vac (Sinusoidal wave), 47-63 Hz, 4 A 3) 45-90 Vac (Trapezoidal wave) or 100-120 Vac (Sinusoidal wave), 47-63 Hz, 4 A 4) 45-90 Vac (Trapezoidal wave) or 100-120 Vac (Sinusoidal wave), 47-63 Hz, 4 A Rated Output: 1) 12 Vdc, Max. 150 W; 2) 12 Vdc, Max. 114 W or 150W ; 3) 55 Vdc, Max. 115 W; 4) 54 Vdc, Max. 115 W
Class of equipment	: Class I
Class of IP	: IPX0
Supply connection	: AC mains
Equipment mobility	: Building in
Operation ambient	: See below table
Operation altitude	: Up to 5000 m
Operation condition	: Continuous
Additional information	: Replaced appendix No.1.0.

TÜV Rheinland Group
ABB Power Electronics Inc.

2021.08.11 James Zhang



2021.08.11 Mary Wang



(name of authorized person)

Date Printed Name Signature

Date Printed Name Stamp&Signature of licenseholder

Produkte
Products
Certificate No.: R 50477854 0002 **Report No.:** 60385559 002 **Appendix No.** 1.1
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Constructional Data Form (CDF) for Electrical Appliances

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Operation ambient

The equipment has been evaluated for ambient temperatures up to 85°C as specified by manufacturer as below:

For model CLP0112FP:

- Output power 150 W at 75 °C, and derated 120W at 85 °C with 200LFM external force air cooling; or
- Output power 150 W at 85 °C with 400LFM forced air; or
- Output power 150 W at 55 °C for low line/60 °C for high line, and derated 62.4 W at 85 °C with 100LFM external force air cooling; or
- Output power 150 W at 40 °C for low line/45 °C for high line with no force air cooling; or
- Output power 150 W at 40 °C with convection cooling; or
- Output power 130 W at 55 °C with convection cooling

For model TLP0112FP:

- Output power 114 W at 85 °C for 50-90 Vac trapezoidal input with convection cooling
- Output power 114 W at 75 °C for 40-90 Vac trapezoidal input with convection cooling
- **Output power 150 W at 85 °C for 60-90 Vac trapezoidal input with cold wall version on 30.91V/2.6A/80W external resistor load.**
- **Output power 150 W at 85 °C for 100-120 Vac input with cold wall version on 30.91V/2.6A/80W external resistor load.**

For model TLP0154FP:

- Output power 115 W at 85 °C for 45-90 Vac trapezoidal input with convection cooling
- Output power 115 W at 85 °C for 100-120 Vac input with convection cooling

For model TLP0155FP:

- Output power 115 W at 85 °C for 45-90 Vac trapezoidal input with convection cooling
- Output power 115 W at 85 °C for 100-120 Vac input with convection cooling

TÜV Rheinland Group
ABB Power Electronics Inc.

2021.08.11 James Zhang



2021.08.11 Mary Wang



(name of authorized person)

Date Printed Name Signature

Date Printed Name Stamp&Signature of licenseholder