

GS ZERTIFIKAT

Zertifikat-Nr. / Certificate No.	GS-4288
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Ausstellungsdatum / Date of Issue	2018-07-30
Genehmigungsinhaber / Certificate Holder	XP POWER L L C 15641 RED HILL AVE, SUITE 100 TUSTIN, CA 92780 USA
Fertigungsstätte / Production site	XP POWER (VIETNAM) CO LTD LOT D - 4Q - CN MY PHUOC 3 INDUSTRIAL PARK BEN CAT DISTRICT BINH DUONG, Viet Nam
Zertifiziertes Produkt / Certified Product	Power adapter
Bezeichnung / Model	ALM150PSXXYY-ZZ##V See Page 2
Nennspannung, Nennfrequenz / Rated Voltage, Frequency	100-240 V~, 50/60 Hz
Nennstrom, Nennleistung / Rated Current, Power	1.8 A
Schutzklasse / Insulation Class	I or II (See Test Report for details.)
IP Klassifikation / Degree of protection (IP)	X0
Geprüft nach / Tested acc. To	AfPS GS 2014:01 PAK, EK1-ITB 2000:2018, EN 62368-1:2014/A11:2017, EN 62368-1:2014
Prüfbericht-Nr. / Test Report No.	4788267802-GS-S1 issued on 2018-07-25
Anmerkungen / Additional	See Page 2
Gültig bis / Expire date	2023-07-29



Zertifizierungsleiter / Certification Manager

Jan-Erik Storgaard

Es wird hiermit bestätigt, dass repräsentative Muster des beschriebenen Produktes („Zertifiziertes Produkt“) auf Konformität sowohl mit den auf diesem Zertifikat angegebenen Standards als auch mit den Anforderungen betreffend Sicherheit und Gesundheit von Personen gemäss Produktsicherheitsgesetz (ProdSG §21) entsprechen, und den Anforderungen des GS Zeichens geprüft wurden. Der Inhaber des Zertifikats ist berechtigt das GS-Zeichen für das Zertifizierte Produkt zu verwenden, soweit dieses gemäss den Anforderungen des GS Zeichens in den (der) oben genannten Fertigungsstätte(n) hergestellt wurde unter Einhaltung der Bedingungen des „GS Mark Service Agreement“ inklusive der „Service Terms“ für „GS Mark Testing and Certification Services“. Ausschlösslich diejenigen Produkte welche das GS Zeichen tragen sind vom Service bezüglich dem UL GS Zeichen abgedeckt. Dieses Zertifikat gilt bis zu dessen Ablaufdatum, es sei denn die gemäss diesem Zertifikat anwendbaren Standards werden vor Ablaufdatum geändert oder zurückgezogen oder das Zertifikat wird gemäss den Bedingungen der anwendbaren Vereinbarung („Service Agreement“) gekündigt bzw. zurückgezogen. UL International Demko ist eine zugelassene Stelle nach § 23 ProdSG.

"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 and the health and safety requirements in the German Product Safety Act (ProdSG §21), in accordance with the GS Requirements. The Designated Certificate Holder is entitled to use the GS Mark for the Certified Product manufactured at the production site(s) identified above, in accordance with the GS Mark Service Agreement including without limitation the GS Mark Testing and Certification Services Service Terms. Only those Products bearing the GS Mark should be considered as being covered by UL's GS Mark Service. This Certificate shall remain valid unless terminated earlier in accordance with the Service Agreement including without limitation if the Standard identified on this Certification is amended or withdrawn prior the Expiration date. UL International Demko A/S is an approved Body according to § 23 ProdSG."

Zertifizierer / Certification Body

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



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Model Details:

ALM150PSXXYY-ZZ##V

where XX is any number between 12-48 designating output voltage and YY can be blank or "C2" designating Class II configuration.

-ZZ can be blank or "-A", "-6", "-6A", "-8", "-8A" designating AC inlet type.

V can be any alphanumeric or blank designating casing colour.

Models may have an additional ## identifier which can be any alphanumeric or blank designating marketing purpose only.

Additional Information:

Output:

ALM150PS12: 12 Vdc, 12.5 A max., 150W max.;
ALM150PS15: 15 Vdc, 10 A max., 150W max.;
ALM150PS19: 19 Vdc, 7.9 A max., 150W max.;
ALM150PS24: 24 Vdc, 6.2 A max., 150W max.;
ALM150PS48: 48 Vdc, 3.1 A max., 150W max.

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Dieses UL-GS Zeichen ist ohne Größenbegrenzung /
This UL-GS Logo has no size restrictions



Dieses UL-GS Zeichen ist bis einer Zeichenhöhe von 20 mm zu
verwenden /
This UL-GS Logo should have a max. height of 20 mm

Zertifizierer / Certification Body

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Product Service

CERTIFICATE

No. B 057396 0515 Rev. 00

Holder of Certificate: **XP Power LLC.**
15641 Red Hill Avenue, Suite 100
Tustin CA 92780
USA

Certification Mark:



Product: **Switching power supply unit**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: 7191190462/01-TR

Valid until: 2023-08-05

Date, 2018-09-06 (Antony Young-Taylor)



Product Service

CERTIFICATE

No. B 057396 0515 Rev. 00

Model(s):

ALM150PSXX-ZZ##V (where XX can be 12, 15, 19, 24, 48 designating output voltage, and -ZZ can be blank or "-A", "-6", "-6A" designating AC inlet type and V can be any alphanumeric or blank designating casing color). Models may have an additional ## identifier which can be any alphanumeric or blank designating marketing purpose only.

Brand Name:

XP Power



Parameters:

Input Rated: 100-240 Vac, 50/60 Hz, 1.8 A

Output Rated:

ALM150PS12: 12 Vdc, 12.5 A max., 150 W max.;
ALM150PS15: 15 Vdc, 10 A max., 150 W max.;
ALM150PS19: 19 Vdc, 7.9 A max., 150 W max.;
ALM150PS24: 24 Vdc, 6.2 A max., 150 W max.;
ALM150PS48: 48 Vdc, 3.1 A max., 150 W max.

Conditions of Acceptability:

- The output was not evaluated as patient connected circuits.
- Compliance with the requirements for EMC shall be evaluated for the end use product.
- These products have been investigated only as a component part for use in equipment where the suitability of the combination is subject to end product investigation.
- The leakage current test shall be checked in end product.
- Clearance/creepage distance and dielectric strength were evaluated and fulfilled the requirements for MOPP.
- When the product is placed on the market, it must be accompanied with safety instructions written in official language of the country. The instructions shall give information regarding safe operation, installation and maintenance.
- According to the EU directives which have been aligned with EU NLF (new legislative framework), both of manufacturer and importer's name and address shall be affixed on the product or, where that is not possible, on its packaging or in a document accompanying the product before the product is placed on the EU market.
- The manufacturer/ Importer has to ensure the appliance placing on the EU market conforms to the applicable EU directives which provide the affixing of the CE marking, such as LVD, EMC, RoHS, ErP and so on.
- When installing the equipment, all requirements of the mentioned standard must be fulfilled.
- See also Engineering Conditions of Acceptability in CB Test Report.

Tested according to: EN 60601-1:2006/A12:2014

Production

059061, 059319, 071712, 089850

Facility(ies):



Product Service

CERTIFICATE

No. B 057396 0516 Rev. 00

Holder of Certificate: **XP Power LLC.**
15641 Red Hill Avenue, Suite 100
Tustin CA 92780
USA

Certification Mark:



Product: **Switching power supply unit**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: 7191190462/02-TR

Valid until: 2023-08-05

Date, 2018-09-06

(Antony Young-Taylor)



Product Service

CERTIFICATE

No. B 057396 0516 Rev. 00

Model(s):

ALM150PSXXC2-ZZ##V (where XX can be 12, 15, 19, 24, 48 designating output voltage and -ZZ can be blank or "-8", "-8A" designating AC inlet type and V can be any alphanumeric or blank designating casing color). Models may have an additional ## identifier which can be any alphanumeric or blank designating marketing purpose only.

Brand Name:

XP Power



Parameters:

Input Rated: 100-240 Vac, 50/60 Hz, 1.8 A
Output Rated:
ALM150PS12C2: 12 Vdc, 12.5 A max., 150 W max.;
ALM150PS15C2: 15 Vdc, 10 A max., 150 W max.;
ALM150PS19C2: 19 Vdc, 7.9 A max., 150 W max.;
ALM150PS24C2: 24 Vdc, 6.2 A max., 150 W max.;
ALM150PS48C2: 48 Vdc, 3.1 A max., 150 W max.

Conditions of Acceptability:

- The output was not evaluated as patient connected circuits.
- Compliance with the requirements for EMC shall be evaluated for the end use product.
- These products have been investigated only as a component part for use in equipment where the suitability of the combination is subject to end product investigation.
- The leakage current test shall be checked in end product.
- Clearance/creepage distance and dielectric strength were evaluated and fulfilled the requirements for MOPP.
- When the product is placed on the market, it must be accompanied with safety instructions written in official language of the country. The instructions shall give information regarding safe operation, installation and maintenance.
- According to the EU directives which have been aligned with EU NLF (new legislative framework), both of manufacturer and importer's name and address shall be affixed on the product or, where that is not possible, on its packaging or in a document accompanying the product before the product is placed on the EU market.
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- When installing the equipment, all requirements of the mentioned standard must be fulfilled.
- See also Engineering Conditions of Acceptability in CB Test Report.

Tested according to: EN 60601-1:2006/A12:2014

**Production
Facility(ies):**

059061, 059319, 071712, 089850