



Product Service

CERTIFICATE

No. B 057396 0929 Rev. 00

Holder of Certificate: **XP Power LLC.**
340 Commerce, Suite 100
Irvine CA 92602
USA

Certification Mark:



Product: **Power supply**

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. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 095-72143469-100

Valid until: 2024-10-08

Date, 2023-12-14

(Antony Young-Taylor)



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Model(s): EPL150PSxx
(where xx can be any number between 12 and 48 designating the main output voltage, may also be provided with suffix "-SF", or "-T" or "-yyyyy")

Brand Name: XP

Parameters:

- Rated Input Voltage:** 100-240 VAC
- Rated Frequency:** 50/60 Hz
- Protection Class:** Class I or Class II at end product
- Temperature, Ambient:** 50°C for 100% rated output
70°C for 50% rated output
- Elevation for Use:** 0-5000 m above sea level

General Product information:

The product is an open frame AC/DC switching mode power supply and is intended for building-in Class I or Class II from factory installation to be used as part of Medical Electrical Equipment.

Approved models and Rated Outputs:

Model Number	Voltage (VDC)	MAX OUTPUT RATING							
		Forced cooling 10 cfm fan				Convection cooling			
		50°C		70°C		50°C		70°C	
		Current	Power	Current	Power	Current	Power	Current	Power
EPL150PS12	12 (10.1-13.5)	12.5	150	6.25	75	8.33	100	4.17	50
EPL150PS15	15 (13.6-17)	10.0	150	5.0	75	6.67	100	3.33	50
EPL150PS18	18 (17.1-21)	8.33	150	4.17	75	5.56	100	2.78	50
EPL150PS24	24 (21.1-26)	6.25	150	3.13	75	4.17	100	2.08	50
EPL150PS28	28 (26.1-31)	5.36	150	2.68	75	3.57	100	1.79	50
EPL150PS33	33 (31.1-33)	4.55	150	2.27	75	3.03	100	1.52	50
EPL150PS36	36 (33.1-42)	4.17	150	2.08	75	2.78	100	1.39	50
EPL150PS48	48 (42.1-54)	3.13	150	1.56	75	2.1	100	1.04	50

All models are provided with a Fan output @ CN3 (12 Vdc, 0.5A)

Suffix:

- "-SF" or blank, denotes units provided either single pole fusing (SF) or double fusing (Blank)
- "-T" denotes models provided with input screw terminals
- "-yyyyy" can be any digits or letters or blank for non-safety related marketing purpose
- All "-" considered optional

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Conditions of Acceptability:

When installing the equipment, all requirements of the standards and the manufacturer's specifications must be met.

The models require:

- Suitable Mechanical, Fire and Electrical enclosure shall be provided in the end use equipment.
- The end product shall ensure that the requirements related to accompanying documents, clause 7.9, are met.
- Power supply provides 2 MOPP between Primary to Secondary, 1 MOPP between Primary and Earth/Enclosure (class I end product). One MOPP between Secondary to Ground for working voltage of 48Vdc (class I end product)
- Proper bonding to the end-product main protective earthing termination is required when the power supply is installed in Class I end product. Protective earthing testing shall be conducted in Class I end product application.
- The maximum continuous power supply output (Watts) relied on forced air cooling from: 10cfm fan applied 1 inch from input side, blowing inward.
- This power supply has been evaluated as a continuous operation, ordinary equipment and has not been evaluated for use in the presence of a flammable anaesthetic mixture with air, oxygen, or nitrous oxide. The output circuits have not been evaluated for direct patient connection (Type B, BF or CF).
- When installed in end product, the clearance and creepage distance between the related circuitry of the power supply and accessible parts shall meet the standard(s) requirements. Hi-pot test, touch current test and ground bond test (for Class I end product) shall be conducted at end product.
- The following input terminals/connectors must be connected to the end-product supply neutral: Input Connector (CN1) N terminal.
- Heatsinks are floating and considered live. They should not be accessible in the end-product.
- Models provided with suffix SF only provided with one line side fuse. Consideration should be made in the end-use product to determine the need of double pole fusing.
- Repeat of leakage current testing and consideration of non-frequency weighted leakage test shall be considered in the end product application.
- The product was not investigated to the following standards or clauses: Clause 11.7, Biocompatibility (ISO 10993-1), Clause 14, Programmable Electronic Systems, Electromagnetic Compatibility (IEC 60601-1-2).

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