



Product Service

CERTIFICATE

No. B 057396 0927 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.: 095-72112141101-300

Valid until: 2024-10-08

Date, 2023-12-14

(Antony Young-Taylor)

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Model(s):

ECP150PSxx

(where xx can be number 12 to 48 to indicate the main output voltage, may be also followed by suffix "SF" for single fuse)

Brand Name:

XP

Parameters:

Rated Input Voltage: 100-240 VAC

Rated Input Current: 2.5 A

Rated Input Frequency: 50/60 Hz

Protection Class: Class I or Class II depending on end use

Temperature, Ambient: 50°C with 100% rated output

70°C with 50% rated output

Elevation for use: 0-3000 m above sea level

Output Ratings:

Model Number	OUTPUT RATING (with 15 CFM force cooling)	
	Voltage (VDC)	Current (A)
ECP150PS12	12	12.5
ECP150PS15	15	10.0
ECP150PS24	24	6.25
ECP150PS28	28	5.4
ECP150PS48	48	3.1

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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:

- A suitable electrical and fire enclosure must be provided in the end use equipment.
- This power supply was evaluated with Two MOPP between Primary and Secondary; One MOPP primary and Earth/Secondary Reference Conductor; and One MOPP between Secondary and Earth/Secondary Reference Conductor.
- When installed in end product, the clearance and creepage distance between the hazardous circuits 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.
- Primary side heat sinks are floating and considered live. They should not be accessible in the end product.
- 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 anesthetic mixture with air, oxygen, or nitrous oxide. The output circuits have not been evaluated for direct patient connection (Type B, BF or CF).
- The end product shall ensure that the requirements related to accompanying documents, clause 7.9 are met.
- Unit provided with additional suffix "-SF" are provided with only one fuse in the line side. Consideration for the need for additional fusing to be provided as part of the end product.
- Units were evaluated for a max. output of 150W when provided with airflow from a 15 CFM fan and max. output of 100W when not provided with a fan.
- Scope of Power Supply evaluation defers the following clauses to the be determined as part of the end product: Clause 7.5 (Safety Signs), Clause 7.9 (Accompanying Documents), Clause 9 (ME Hazard), Clause 10 (Radiation), Clause 14 (PEMS), Clause 16 (ME Systems).
- The product was not investigated to the following standards or clauses: Biocompatibility (ISO 10993-1), Clause 14, Programmable Electronic Systems, Electromagnetic Compatibility (IEC 60601-1-2).

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