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Product Service

CERTIFICATE

No. B 057396 0429 Rev. 02

Holder of Certificate: **XP Power LLC.**
15641 Red Hill Avenue, Suite 100
Tustin CA 92780
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. See also notes overleaf.

Test report no.: 095-1302896-000

Valid until: 2024-05-08

Date, 2019-06-03

(Ping He)



Product Service

CERTIFICATE

No. B 057396 0429 Rev. 02

Model(s): ECP180PSxx
(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: See rated output table below

Elevation for Use: 0-5000 m above sea level

General Product Information:

Models covered below are component type AC/DC switching power supplies intended for use in Medical equipment. They are power supplies for building-in Class I or Class II end product.

Approved Models and Rated Output

Model Number	Convection Cooling					Forced Air Cooling				
	V1	A1@ 50°C	A1@ 70°C	V2 Fan	A2 Fan	V1	A1@ 50°C	A1@ 70°C	V2 Fan	A2 Fan
ECP180PS12	12V	10A	5A	12V	0.5A	12V	15A	7.5A	12V	0.5A
ECP180PS15	15V	8A	4A	12V	0.5A	15V	12A	5A	12V	0.5A
ECP180PS18	18V	6.66A	3.33A	12V	0.5A	18V	10A	5A	12V	0.5A
ECP180PS24	24V	5A	2.5A	12V	0.5A	24V	7.5A	5A	12V	0.5A
ECP180PS28	28V	4.3A	2.15A	12V	0.5A	28V	6.43A	3.22A	12V	0.5A
ECP180PS36	36V	3.33A	1.67A	12V	0.5A	36V	5A	2.5A	12V	0.5A
ECP180PS48	48V	2.5A	1.25A	12V	0.5A	48V	3.75A	1.88A	12V	0.5A

Forced air cooling: 10 CFM airflow applied 5cm from input connector CN1 blowing inward

Suffix:

"-SF": model provided with single pole fusing (default: double fusing).

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Product Service

C E R T I F I C A T E

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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; Two MOPP between secondary to floated earth trace on PWB for BF output consideration; One MOPP primary and Earth; and One MOPP based on 250 V working voltage between secondary and earthing trace or chassis for BF output consideration.
- 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.
- 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 with the maximum continuous power supply output (Watts) relied on forced air cooling from: 10 CFM fan applied 5 cm from input connector CN1 blowing inward.
- 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

Production Facility(ies): 071712, 003227, 089850

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