Product Service

CERTIFICATE

No. B 057396 0370 Rev. 01

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.: 095-72111545-100

Valid until: 2023-12-18

Date, 2019-02-13

(Ping He)

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT
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Model(s):

EPL225PSxx
(where the "xx" can be any number between 12 to 48 indicating main output voltage, may also be provided with suffix "SF" for single fuse option)

Brand Name: XP

Parameters:

Rated Input Voltage: 100-240 VAC
Rated Frequency: 50/60 Hz
Rated Input Current: 3 A max
Protection Class: Class I or Class II at end use
Elevation for use: 0-4000 m above sea level
Temperature, Ambient Max.: 50°C at 100% rated output
70°C at 50% rated output

Approved models and Rated Outputs:

Model Number	DC OUTPUT RATING						
	Convection Cooling			Forced Air Cooling			
	Voltage (V1) (VDC)	Maximum Current (A)	Maximum Power (W)	Voltage (V1) (VDC)	Maximum Current (A)	Maximum Power (W)	(V2) (Vdc/A)
EPL225PS12	10.1-13.5	12.5	150	10.1-13.5	18.75	225	12Vdc/0.5A
EPL225PS15	13.6-17	10	150	13.6-17	15	225	12Vdc/0.5A
EPL225PS18	17.1-21	8.33	150	17.1-21	12.5	225	12Vdc/0.5A
EPL225PS24	21.1-26	6.25	150	21.1-26	9.38	225	12Vdc/0.5A
EPL225PS28	26.1-31	5.36	150	26.1-31	8.04	225	12Vdc/0.5A
EPL225PS33	31.1-33	4.54	150	31.1-33	6.81	225	12Vdc/0.5A
EPL225PS36	33.1-42	4.16	150	33.1-42	6.25	225	12Vdc/0.5A
EPL225PS48	42.1-54	3.1	150	42.1-54	4.69	225	12Vdc/0.5A

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Conditions of Acceptability:

- 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 between primary and Earth.
- 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).
- Proper bonding to the end-product main protective earthing termination shall be provided at end product for Class I installation.
- Input Connector (CON1) N terminal must be connected to the end-product supply neutral.
- Temperature, touch current and Dielectric Strength testing shall be considered in the end system
- 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.
- When installed in end product, the clearance and creepage distance between the hazardous parts and accessible parts shall meet the standard(s) requirements.
- Scope of Power Supply evaluation defers the following clauses to the be determined as part of the end product: 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).
- Scope of Power Supply evaluation excludes the following: Patient applied parts clauses: 4.6, 7.2.10, 8.3, 8.5.2, 8.5.5, 8.7.4.7-8.7.4.9, 8.9.1.15; Battery related clauses: 7.3.3, 15.4.3; Hand Control related clauses: 8.10.4; Oxygen related clauses: 11.2.2; Fluids related clauses: 11.6.2 – 11.6.4; Sterilization clause: 11.6.7; Biocompatibility Clause: 11.7 (ISO 10993); Motor related clauses: 13.2.13.3, 13.4; Heating Elements related clause: 13.2
- The product was not investigated to the following standards or clauses: Electromagnetic Compatibility (IEC 60601-1-2).

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

Production Facility(ies): 003227, 071712

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