ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

CERTIFICATE

No. B 057396 0350 Rev. 01

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.: 095-72109679-100

Valid until: 2024-02-03

Date, 2019-02-14

(Ping He)

A4 / 07.17

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

TÜV®

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT
TÜV SÜD

Product Service

CERTIFICATE

No. B 057396 0350 Rev. 01

Model(s):

ECP130PSxx
(where xx can be number from 12 to 48 for output voltage; may be followed by additional suffixes denoting non-safety options)

Brand Name:

XP

Parameters:

Rated Input Voltage: 100-240 V AC
Rated Input Current: 1.3 A
Rated input frequency: 50/60 Hz
Protection Class: Class I or Class II at end product
Elevation for use: 0-5000 m above sea level

Approved models and output ratings:

Model Number	Convectional Cooling			Forced- Air Cooling	
	Max Output (A) @ 50°C (100 W max)	Max Output (A) @ 70°C (50 W max)	Max Output (A) @ 80°C (30 W max)	Max Output (A) @ 50°C (130 W max)	Max Output (A) @ 70°C (65 W max)
ECP130PS12	8.33	4.16	2.50	10.83	5.42
ECP130PS15	6.66	3.33	2.00	8.66	4.33
ECP130PS18	5.55	2.77	1.66	7.22	3.61
ECP130PS24	4.16	2.08	1.25	5.41	2.71
ECP130PS28	3.57	1.78	1.07	4.64	2.32
ECP130PS36	2.77	1.38	0.83	3.61	1.80
ECP130PS48	2.08	1.04	0.625	2.70	1.35

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

TÜV®

A4 / 07.17

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT
TÜV SÜD

Product Service

CERTIFICATE

No. B 057396 0350 Rev. 01

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 fire enclosure shall be provided in the end use equipment.
- Proper bonding to the end-product main protective earthing termination is: required when the power supply is used in a Class I end product. The power supply will be considered Class II only when protection against electric shock does not rely on 1 Method of Protection of Insulation.
- The power supply units may provide double pole fusing, proper warning shall be provided at end product.
- Units were evaluated for use with 10 cfm external airflow. The need of cooling shall be determined as part of the end product.
- The end-product Electric Strength Test is to be based upon a maximum working voltage of: Primary- Earthed Dead Metal: 240 Vrms, 340 Vpk and Primary-SELV: 240 Vrms, 3 40 Vpk.
- The following input terminals/connectors must be connected to the end-product supply neutral: CN1.
- Repeat of leakage current testing and consideration of non-frequency weighted leakage test shall be considered in the end product application.
- 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.
- The suitability of the breaking capacity of the fuse per Clause 8.11.5 shall be verified 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).
- Protective earthing testing shall be conducted in the end product application.
- 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

Production Facility(ies): 071712, 089850, 003227

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

TÜV®

A4 / 07.17