



Product Service

CERTIFICATE

No. B 057396 0949 Rev. 00

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

Certification Mark:



Product: **Power supply**
Switching 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, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 095-72196233-000

Valid until: 2029-03-12

Date, 2024-03-22

(Liyuan (Mandy) Zhao)

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Model(s): HPF3K0PSXX, where XX can be 24, 36, 48 or 60 which represents rated output voltage. The model may or may not be followed by -SF, where SF representing single fuse.

Brand Name: XP

Parameters:

Rated Input:	100-240 VAC / 19.5 A / 50/60 Hz
Rated Output:	See attachment for output ratings
Protection Class:	Component only to be determined in the end product
Max Ambient Temperature:	Refer to Conditions of Acceptability
Elevation for use:	Up to 5000 m

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Approved models and Rated Outputs:

Model Name	Input Voltage Range	Output V1 rating	Output V2 rating	Transformer T1/T2 drawing no.	Temperature Sensor TS3, TS4 used on foldback detection circuit
HPF3K05PS24	<180Vac	0-24 VDC /62.5 A	5V/2A	10000016028	F20B09505ACFA06E
	>=180Vac	0-24 VDC /125 A	5V/2A	10000016028	F20B09505ACFA06E
HPF3K05PS36	<180Vac	0-36 VDC /41.67 A	5V/2A	10000017733	F20B09005ACFA06E
	>=180Vac	0-36 VDC /83.33 A	5V/2A	10000017733	F20B09005ACFA06E
HPF3K05PS48	<180Vac	0-48 VDC /31.3 A	5V/2A	10000017734	F20B08505ACFA06E
	>=180Vac	0-48 VDC /62.5 A	5V/2A	10000017734	F20B08505ACFA06E
HPF3K05PS60	<180Vac	0-60 VDC /25 A	5V/2A	10000016034	F20B08005ACFA06E
	>=180Vac	0-60 VDC/50 A	5V/2A	10000016034	F20B08005ACFA06E

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Conditions of Acceptability:

When installed in an end-product, consideration must be given to the following:

1. The following product-line tests are conducted for this product : Electric Strength, Earthing Continuity
2. The end-product Electric Strength Test is to be based upon a maximum working voltage of : Primary – Earthed Dead Metal: 246Vrms/376Vpk, Primary-Secondary: 263Vrms/624Vpk
3. The following output circuits are at ES3 energy levels : All outputs.
4. The following output circuits are at PS3
5. energy levels : All Outputs
6. The maximum investigated branch circuit rating is : 30 A
7. The investigated Pollution Degree is : 2
8. Proper bonding to the end-product main protective earthing termination is : Required (Class I)
9. An investigation of the protective bonding terminals has not been conducted, shall be investigation in the end application.
10. The following input terminals/connectors must be connected to the end-product supply neutral : TB1
11. The following end-product enclosures are required : Mechanical, Fire, Electrical
12. The following magnetic devices (e.g. transformers or inductor) are provided with an OBJ2 insulation system with the indicated rating greater than Class A (105°C) : Class F: T1, T2, T3, T4, T201, T202
13. The power supply was evaluated to be used at altitudes up to : "5000 m"
14. When installed in a Class I end product, the power supply shall be mounted in a manner that provides the minimum required Clearance between the primary side of power supply and protectively earthed accessible conductive parts.
15. A suitable main disconnect device shall be provided in the end product.
16. For all : The power supplies covered by this report have a fuse in the neutral of the primary circuit. The need for a marking to warn a service person of the hazards associated with double pole/neutral fusing shall be considered in the end product.
17. Consideration to repeating the "Prospective Touch Voltage and Touch Current Test" should be given in the end-product evaluation.
18. The power supplies in this report have been subject to Capacitance Discharge testing. Additionally, all associated component safeguards have been assessed to the applicable requirement in Annex G.10 during component certification. Additional testing should not be needed if directly connected to mains e.g. using an appliance inlet, wiring terminals, etc.
19. 5.6.4 - An investigation of the bonding conductors (traces) has not been conducted during the component-level investigation. Suitability of the bonding means shall be the subject of end product investigation, as necessary Spacings between bonding paths and primary circuits have been evaluated for BASIC insulation.
20. Symbol IEC 60417-6056 near MS3 moving fan blades is used, the accessibility to ordinary or service persons shall be evaluated in the end application.

Tested according to:

EN IEC 62368-1:2020/A11:2020