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Product Service

C E R T I F I C A T E

No. B 057396 0564 Rev. 01

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

Test report no.: 7191330037-06-TR

Valid until: 2026-01-07

Date, 2024-07-11

(Kim Hock Teo)

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Model(s): VFT150PSXX
Where XX is 05, 12, 15, 24, or 48

Brand Name: **XP**

Parameters:

Rated Input: 100-240 Vac
Rated Input Current: 2.5A
Rated Input Frequency: 50/60 Hz
DC Output Ratings: See below for output ratings
Elevation for use: 0-3048 m above sea level
Protection Class: Class I determined in end product or Class II
Maximum temperature, ambient: See below for ambients

General Product information:

The model covered in this report is a component power supply intended for use in Audio/video, information and communication technology equipment. It is an open frame power supply intended for building-in Class I end-products.

Rated Outputs for Models:

Maximum Output Load conditions:
Convectional Cooling at Tma=50°C :
VFT150PS05: 5 Vdc, 16 A
VFT150PS12: 12 Vdc, 8.3 A
VFT150PS15: 15 Vdc, 6.7 A
VFT150PS24: 24 Vdc, 4.2 A
VFT150PS48: 48 Vdc, 2.1 A

Convectional Cooling at Tma=65°C :
VFT150PS05: 5 Vdc, 8 A
VFT150PS15: 15 Vdc, 3.35 A

Convectional Cooling at Tma=70°C :
VFT150PS12: 12 Vdc, 4.15 A
VFT150PS24: 24 Vdc, 2.1 A
VFT150PS48: 48 Vdc, 1.05 A

Force air cooling at Tma=50°C :
VFT150PS05: 5 Vdc, 24 A
VFT150PS12: 12 Vdc, 12.5A
VFT150PS15: 15 Vdc, 10 A
VFT150PS24: 24 Vdc, 6.25 A
VFT150PS48: 48 Vdc, 3.13 A

Force air cooling at Tma=65°C :
VFT150PS05: 5 Vdc, 12 A
VFT150PS15: 15 Vdc, 5 A

Force air cooling at Tma=70°C :
VFT150PS12: 12 Vdc, 6.25A
VFT150PS24: 24 Vdc, 3.125A
VFT150PS48: 48 Vdc, 1.565 A

Conditions of Acceptability:

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

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• The following product-line tests are conducted for this product : Electric Strength
• The following output circuits are at ES1 energy levels : All Outputs
• The following output circuits are at PS3 energy levels : All Outputs
• The maximum investigated branch circuit rating is : 20 A
• The investigated Pollution Degree is : 2
• Proper bonding to the end-product main protective earthing termination is : Required (Class I)
• An investigation of the protective bonding terminals has : Not been conducted
• The following input terminals/connectors must be connected to the end-product supply neutral : AC N
• The following end-product enclosures are required : Mechanical, Fire, Electrical
• The following magnetic devices (e.g. transformers or inductor) are provided with an OBJY2 insulation system with the indicated rating greater than Class A (105°C) : T2, class B
• The power supply was evaluated to be used at altitudes up to : "3048 m"
• 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.
• Heatsinks are floating and considered live. They should not be accessible in the end-product.
• A suitable main disconnect device shall be provided in the end product.
• 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.
• Consideration to repeating the Touch Current test should be given in the end-product evaluation.
• The power supplies in this report have been subject to Capacitance Discharge testing. Additional testing should not be needed if directly connected to mains e.g. using an appliance inlet, wiring terminals, etc.
• When installed in a Class II end product, the power supply shall be mounted on insulating posts in a manner that provides the minimum required Clearance between the power supply and any accessible conductive parts.

Tested according to: EN 62368-1:2014/A11:2017

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