



Product Service

CERTIFICATE

No. B 057396 1031 Rev. 00

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

Certification Mark:



Product: **Power supply**
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.: 7191355381-TR

Valid until: 2027-02-14

Date, 2025-04-22

(Kim Hock Teo)

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Model(s): HPT5K0TS400 and HPT5K0TS800

Brand Name: XP Power LLC

Parameters:

HPT5K0TS400:

3-Phase (3W+PE), 50/60 Hz

Input 200-240V, 11A MAX/PHASE

Input 380-480V, 10A MAX/PHASE

Output:

0-400Vdc, 12.5A MAX

3000W MAX (with 200-240V input)

5000W MAX (with 380-480V input)

HPT5K0TS800:

3-Phase (3W+PE), 50/60 Hz

Input 200-240V, 11A MAX/PHASE

Input 380-480V, 10A MAX/PHASE

Output:

0-800Vdc, 6.25A MAX

3000W MAX (with 200-240V input)

5000W MAX (with 380-480V input)

Environmental conditions:

Ambient: 50 °C for 100% load

and 70°C for 50% load.

Up to 5000m above sea level

General Product information:

The equipment is a 3-Phase (3W+PE) AC to DC isolating power supply for building-in. The power supply with up to a 5000 watt rated output is provided with a metal enclosure housing and several PWBs with various critical components intended for use in Information Technology Equipment. The main outputs are considered ES3 and PS3 circuits. The 5Vsb auxiliary output is an isolated output for control and monitoring of the equipment's operation and is considered an ES1 circuit.

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Conditions of Acceptability:

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

- The following product-line tests are conducted for this product : Earthing Continuity and Electric Strength
- The following output circuits are at ES1 energy levels : Comms Circuit (Board)
- The following output circuits are at ES3 energy levels: AC Mains, DC Mains, HV DC Output
- The following output circuits are at PS1 energy levels: 5Vsb
- The maximum investigated branch circuit rating is: 20 A
- The investigated Pollution Degree is: 2
- The following end-product enclosures are required: Mechanical, Electrical, Fire
- The equipment is suitable for direct connection to: AC mains supply
- Clearances were evaluated for up to 5000m
- The end-product Electric Strength (ES) Test is to be based upon a Mains Transient Voltage of 4000Vpk as shown in Table 13, OV II, 600V Mains, applying footnote (a) for 480Vrms (line - line) mains. ES test values for basic is 4000Vdc and for reinforced is 6000Vdc.
- The fan provided in this sub-assembly is provided with a fan guard that is integral to the chassis to reduce the risk of operator contact with the stator.
- An investigation of the protective earthing connection has been conducted. All units must be connected to protective earth.

Tested according to: EN IEC 62368-1:2020/A11:2020