



Product Service

CERTIFICATE

No. B 057396 0856 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.: 7191302260-02-TR

Valid until: 2026-01-07

Date, 2024-07-23

(Kim Hock Teo)

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Model(s):

GFR1K5PSxx, GFR1K5PS36-XT1723, 200142-yy
(where xx can be 12, 24, 36, 48, or 56 designating the output voltage, yy can be any alphanumeric character or blank for non-safety related marketing purpose).

Brand Name:

XP

Parameters:

Input Voltage:	200-240 VAC
Input Frequency:	50/60 Hz
Input Current:	10 A
Protection Class:	Class I at end use
Ambient Temperature:	50°C with 100% rated output, 70°C with 50% rated output
Elevation for use:	0-3048 m above sea level

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Approved models and Rated Outputs:

Model Number	Ambient temperature (°C)	V1 Output		V-standby	
		V dc		V dc	A
GFR1K5PS12	50	12	100 A, 1200 W max	5	1
	60		75 A, 900 W max		
	70		50 A, 600 W max		
GFR1K5PS24	50	24	62.5 A, 1500 W max		
	60		46.88 A, 1125 W max		
	70		31.25 A, 750 W max		
GFR1K5PS36/ GFR1K5PS36-XT1723	50	36	33.33 A, 1200 W max		
	60		25 A, 900 W max		
	70		16.66 A, 600 W		
GFR1K5PS48 Or 200142	50	48	31 A, 1500 W max		
	60		23.25 A, 1125 W max		
	70		15.5 A, 750 W max		
GFR1K5PS56	50	56	27 A; 1500 W max		
	60		20.25 A, 1125 W max		
	70		13.5 A, 750 W max		

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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 electrical and fire enclosure must be provided in the end use equipment.
- The product is intended for use on the following power systems: TN.
- The following output circuits are at ES1 energy levels: All.
- The following output circuits are at PS3 energy levels: All.
- The following input terminals/connectors must be connected to the end-product supply neutral : AC N.
- A suitable main disconnect device shall be provided in the end product.
- Sufficient clearance and creepage distance shall be provided between the primary circuit and accessible conductive parts.
- Heatsinks are floating and considered live. They shall not be accessible in the end product.
- Proper bonding to the end-product main protective earthing terminal is required when installed in end product, ground bond test shall be conducted.
- Touch current test and dielectric Strength test need to be considered at end use equipment.
- The power supplies 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.

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