



Product Service

CERTIFICATE

No. B 057396 0610 Rev. 00

Holder of Certificate: **XP Power LLC.**
15641 Red Hill Avenue, Suite 100
Tustin CA 92780
USA

Certification Mark:



Product: **Switching power supply unit**

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 and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 095-72143924H-100

Valid until: 2023-01-06

Date, 2020-07-02

(Liyuan (Mandy) Zhao)

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Model(s):

SHP1000PSxx

(where xx can be number 12 to 48 to indicate the main output voltage)

Brand Name:

XP



Parameters:

Rated Input Voltage:	100-240 VAC
Rated Input Current:	13 A
Rated Input Frequency:	50/60 Hz
Protection Class:	Class I at end use
Temperature, Ambient:	50°C with 100% rated load 70°C with 50% rated load
Elevation for use:	0-3048 m above sea level

The product is a component AC-DC power supply for building-in, open frame type provided with a metal chassis, incorporating primary and SELV components.

The main PWB is secured to the chassis studs by multiple machine screws.

Output Ratings

Model Number	Output Rating At 50°C		
	Voltage (VDC)	Current (A)	Power (W)
Input between 100 – 240 VAC			
SHP1000PS12	12	83	1001
SHP1000PS15	15	67	1010
SHP1000PS24	24	42	1013
SHP1000PS28	28	36	1013
SHP1000PS36	36	28	1013
SHP1000PS48	48	21	1013
Input between 180 – 240 VAC			
SHP1000PS12	—	—	—
SHP1000PS15	—	—	—
SHP1000PS24	24	50	1200
SHP1000PS28	28	43	1204
SHP1000PS36	36	33	1188
SHP1000PS48	48	25	1200
All models also provided with 5 V, 0.2 A stand-by output “—” indicates no output exist for the respective models			

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Model Differences:

The power supplies in the series are differentiated by the output voltage and current ratings, number of turns of primary/secondary windings in the Transformers (T302 (Power)), and minor differences in the secondary circuit components and PWB layout.

Conditions of Acceptability

When installing the equipment, all requirements of the standards and the manufacturer's specifications must be met:

- The following output circuits are at ES1 energy levels: All Outputs
- The following output circuits are at PS3 energy levels: All Outputs
- The product is intended for use on the following power systems: TN
- 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)
- 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
- 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.

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

Production Facility(ies): 059061, 089850, 059319, 071712