



Product Service

CERTIFICATE

No. B 057396 0609 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.: 095-72143924J-100

Valid until: 2023-01-06

Date, 2020-07-02

(Liyuan (Mandy) Zhao)

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Model(s):

SHP650PSxx-yy

Where xx is between 12-48 representing designated output.
 -yy is -EF, for model with top cover with fan at the end of the power supply chassis, or -TF for model with top cover with fan at the top of the power supply chassis, or blank for model without top cover and fan.

Brand Name:

XP



Parameters:

Rated Input: 100-240 VAC, 50/60 Hz, 9.0 A or
 100-120 VAC, 400 Hz, 9.0 A (only available for 12 V output variant)
 Protection Class: Class I at end use
 Elevation for use: 0-5000m above sea level
 Temperature, Ambient: 50°C with 100% load
 70°C with 50% load

The product is a component AC-DC power supply for building-in, open frame type provided with a metal chassis intended for Class I end-product application.

Output Rating

Model Number	OUTPUT RATING @ 50°C AMBIENT			OUTPUT RATING @ 70°C AMBIENT		
	Voltage (VDC)	Max Current (A)	Max Power (W)	Voltage (VDC)	Max Current (A)	Max Power (W)
SHP650PS12	12.0	50	607	12.0	25	300
SHP650PS15	15.0	40	607	15.0	20	300
SHP650PS24	24.0	27	657	24.0	13.5	324
SHP650PS28	28.0	23	651	28.0	11.5	322
SHP650PS36	36.0	18	657	36.0	9.0	324
SHP650PS48	48.0	13.5	657	48.0	6.75	324

Models provided with the following -yy values differ as follows:
 -EF: Provided with top cover with fan located at the end of the power supply chassis
 -TF: Provided with top cover with fan located at the top of the power supply chassis
 Blank: Not provided with top cover and no fan, only provided with U-shaped chassis



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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:

- 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.

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

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