



Product Service

# CERTIFICATE

No. B 057396 0393 Rev. 02

**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](http://www.tuvsud.com/ps-cert)

**Test report no.:** 7191329786-02-TR

**Valid until:** 2026-01-07

**Date,** 2024-06-07

( Kim Hock Teo )

# CERTIFICATE

No. B 057396 0393 Rev. 02

## Model(s):

**HHP650PSxx**

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

**Brand Name: XP**

## Parameters:

Rated Input Voltage: 100-277 VAC or 180-277 VAC

Rated Input Current: 9 A

Rated input frequency: 50/60 Hz

Protection Class: Class I at end use.

Temperature, Ambient: 50°C with 100% rated output

70°C with 50% rated output

Elevation for use: 0-5000 m above sea level.

## Approved models and Rated Outputs:

Model Number	Rated Output	
	V dc (VDC)	Current, power
HHP650PS12	12	50 A, 600 W (input range 100-277 VAC)
HHP650PS15	15	40 A, 600 W (input range 100-277 VAC)
HHP650PS24	24	27.0 A, 650 W (input range 100-277 VAC)
		32.4 A, 780 W (input range 180-277 VAC)
HHP650PS28	28	23.0 A, 650 W (input range 100-277 VAC)
		27.6 A, 780 W (input range 180-277 VAC)
HHP650PS36	36	18.0 A, 650 W (input range 100-277 VAC)
		21.6 A, 780 W (input range 180-277 VAC)
HHP650PS48	48	13.5 A, 650 W (input range 100-277 VAC)
		16.2 A, 780 W (input range 180-277 VAC)

# CERTIFICATE

No. B 057396 0393 Rev. 02

**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 following output circuits are at ES1 energy levels: All.
- The following output circuits are at PS3 energy levels: All.
- 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.
- A suitable main disconnect device shall be provided in the end product.
- Proper bonding to the end-product main protective earthing terminal is required when installed in Class I 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