



Product Service

# CERTIFICATE

No. B 057396 0351 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.:** 7191329786-07-TR

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

**Date,** 2024-06-07

( Kim Hock Teo )

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**Model(s):**

**ECS45US05, ECS45USxx, ECS25USxx**

(where xx can be number 12 to 48 to indicate the main output voltage, may be also followed by suffix "-SF", "-C", "-S", or all.)

**Brand Name:**

**XP**

**Parameters:**

Rated Input Voltage: 100-240 VAC

Rated Input Current: 0.9 A (ECS45US05, ECS45USxx)  
0.6 A (ECS25USxx)

Rated Input Frequency: 50/60 Hz

Protection Class: Class I or Class II at end use

Temperature, Ambient: 50°C with 100% rated output  
70°C with 50% rated output

Elevation for use: 0-3048 m above sea level

**Approved models and Rated Outputs:**

Model Number	OUTPUT RATING		
	Voltage (VDC )	Current (A)	Max Output Power (W)
ECS45US05	5	6	30
ECS45US12	12	3.75	45
ECS45US15	15	3.00	45
ECS45US24	24	1.90	45
ECS45US48	48	0.95	45
ECS25US12	12	2.08	25
ECS25US15	15	1.67	25
ECS25US24	24	1.04	25
ECS25US48	48	0.52	25

**Suffix:**

"-SF": single fuse is provided in the line side of primary

"-C": unit is provided with cover

"-S": unit is provided with screw terminal

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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 system: 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.
- When installed in end product, sufficient clearance and creepage distance shall be provided between the primary circuit and accessible conductive parts.
- 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.
- Heatsinks are floating and considered live, they shall not be accessible in the end product.
- Power supplies without suffix “-SF” have a fuse in the neutral of the primary circuit. Additional warnings to be considered in the end product.

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