

# CERTIFICATE

No. B 057396 0589 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. See also notes overleaf.

Test report no.:

095-72158899101-000

Valid until:

2025-03-31

Date,

2020-04-08

( Adrian Rabago Valenzuela )





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Model(s):

ECP180PSxx

(where xx can be any number between 12 and 48 designating the output

voltage, may also be provided with suffix "SF" for single fuse)

**Parameters:** 

Input Voltage 100-240 VAC Input Frequency 50/60 Hz Input Current 2.5 A

Protection Class

Max Temperature, ambient:

Class I or Class II at end use
50°C with 100% rated output;
70°C with 50% rated output

Elevation for use: 0-5000 m above sea level

**Product Description:** 

The product is a component power supply intended for use in Audio/video, Information and Communication Technology Equipment. It is an open frame power supply intended for building-in Class I or Class II end-products.

#### **Approved models and Rated Outputs:**

Model Number	OUTPUT RATING (Convectional cooling)	
	Voltage (VDC)	Current (A)
ECP180PS12	12	10
ECP180PS15	15	8
ECP180PS24	24	5
ECP180PS28	28	4.3
ECP180PS36	36	3.33
ECP180PS48	48	2.5
	OUTPUT RATING (forced air cooling, with 10cfm CN1 blowing inward.)	fan applied 5cm from input connector
ECP180PS12	12	15
ECP180PS15	15	12
ECP180PS24	24	7.5
ECP180PS28	28	6.43
ECP180PS36	36	5
ECP180PS48	48	3.75
D	tput for cooling fan connection.	



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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 product..
- A suitable main disconnect device shall be provided at the end product.
- The following output circuits are at ES1 energy levels: All.
- The following output circuits are at PS2 energy levels: 12 Vdc fan output circuit.
- The following output circuits are at PS3 energy levels: All main outputs.
- Touch current test and dielectric Strength test shall be conducted at end product.
- The maximum continuous power supply output (Watts) relied on forced air cooling from: 10 CFM fan applied 5 cm from input connector CN1 blowing inward.
- When installed in the end product, the power supply shall be mounted in a manner that provides the minimum required creepage distance and clearance between applicable parts of the power supply, accessible conductive parts, and secondary circuits of the end product.
- The equipment is provided with a fuse in both the Line and Neutral of the primary circuit, unless provided with suffix "SF" to indicate only one fuse provided in the Line.
- Units provided with fuses in the line and neutral shall be considered for the need for "Double Pole Fusing" warning markings as part of the end-product.
- Safeguards against capacitor discharge after disconnection of a connector (clause 5.5.2.2) shall be evaluated in the end product.

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

003227, 071712, 089850 **Production** 

Facility(ies):