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Product Service

CERTIFICATE

No. B 057396 0319 Rev. 02

Holder of Certificate: **XP Power LLC.**
15641 Red Hill Avenue, Suite 100
Tustin CA 92780
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. See also notes overleaf.

Test report no.: 095-72143850C-000

Valid until: 2024-04-17

Date, 2019-06-04

(Adrian Rabago Valenzuela)

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

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Model(s):

ECS130US15-XA1013, ECS130USxx-yy
(where xx can be 12 to 48 to indicate output voltage; yy can be SF for single fusing, C for metal cover in Class I end product or blank for double fusing.)

Brand Name:

XP

Parameters:

Rated Input Voltage: 100-240 VAC
Rated Input Current: 3 A
Rated Input Frequency: 50/60 Hz
Protection Class: Class I or Class II at end use
Elevation for Use: 0-5000 m above sea level

Approved models and rated output:

Model Number	Output		Maximum Power (W)	
	Voltage (V)	Current (A)	Convection cooling	10CFM forced cooling
ECS130US12	10.1 to 13.5	10.9	100	130
ECS130US15; ECS130US15-XA1013	13.6 to 17	8.7		
ECS130US18	17.1 to 21	7.3		
ECS130US24	21.1 to 26	5.4		
ECS130US28	26.1 to 31	4.7		
ECS130US33	31.1 to33	3.9		
ECS130US36	33.1 to 42	3.6		
ECS130US48	42.1 to 54	2.7		
ECS130US15-XA1013 is identical to Model ECS130US15, except for the size of the PWB mounting holes.				

Temperature Ratings:

50°C at 100% load (130W) with forced air cooling, 70°C at 50% load (65W) with forced air cooling (Applicable to all models).

50°C at 77% load (100W) with convection cooling, 70°C at 39% load (50W) with convection cooling (Applicable to models without cover).

50°C at 58% load (75W) with convection cooling, 70°C at 29% load (38W) with convection cooling (Applicable to models with cover).

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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 following output circuits are at ES1 energy levels: All.
- The following output circuits are at PS3 energy levels: All.
- 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.
- Power supplies without suffix :-SF have a fuse in the neutral of the primary circuit. Additional warnings to be considered 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 unit has two cooling condition: 1) External Forced Air Cooling: 10CFM air flow, 1 inch distance from Fan to input side of the unit with inward air-flow direction; 2) Convection cooling with and without metal cover.

Heatsinks are floating and considered live, they shall not be accessible in the end product.

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

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

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