



America

# CERTIFICATE

No. B 15 05 57396 328

Holder of Certificate: **XP Power LLC.**



15641 Red Hill Avenue, Suite 100  
Tustin CA 92780  
USA

Production  
Facility(ies):

71712, 59319, 89850

Certification Mark:



Product:

**Switching power supply unit  
(Switching Power Supply)**

Model(s):

ECS130US15-XA1013, ECS130USxx Series  
(where xx can be 12 to 48 to indicate output voltage;  
can be optionally followed with suffix "-SF" for single  
fusing, and/or suffix "-C" for metal cover in Class I  
end product.)

Parameters:

Rated Input Voltage:	100-240 V AC,
Rated Frequency:	50/60 Hz
Rated Input Current:	3 A
Rated Output Voltage:	See attachment
Protection Class:	Class I or II at end use
Elevation for use:	0-5000 m above sea level
Temperature, Ambient:	see attachment
See attachment for further information.	

Tested according to: EN 60601-1:2006/A12:2014

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.

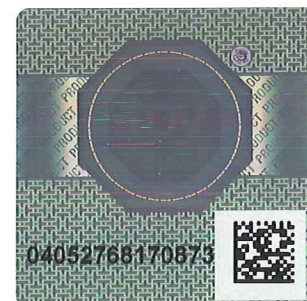
Test report no.: 095-72105938-000

Valid until: 2020-05-04

Date, 2015-05-07

*Allyson Taylor*

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# ATTACHMENT TO CERTIFICATE NO. B 15 05 57396 FOR XP POWER LLC

## POWER SUPPLY

### General Product information:

Products covered are open frame power supplies intended for building-in to be used with Medical Electrical Equipment. Units are intended for used with Class I or Class II end-products.

### Approved models and rated output:

Model Number	Output Voltage (Vdc)	Convection Cooling – all models with cover		Convection Cooling – all models without cover		Forced Air Cooling (10CFM) – all models	
		Max Output @ 50 °C	Max Output @ 70 °C	Max Output @ 50 °C	Max Output @ 70 °C	Max Output @ 50 °C	Max Output @ 70 °C
ECS130US12	10.1 to 13.5	75W, 6.25A	38W, 3.1A	100W, 8.3A	50W, 4.2A	130W, 10.9	65W, 5.5A
ECS130US15	13.6 to 17	75W, 5.0A	38W, 2.5A	100W, 6.7A	50W, 3.4A	130W, 8.7	65W, 4.35A
ECS130US18	17.1 to 21	75W, 4.2A	38W, 2.1A	100W, 5.6A	50W, 2.8A	130W, 7.3	65W, 3.6A
ECS130US24	21.1 to 26	75W, 3.2A	38W, 1.6A	100W, 4.2A	50W, 2.1A	130W, 5.4	65W, 2.7A
ECS130US28	26.1 to 31	75W, 2.7A	38W, 1.35A	100W, 3.6A	50W, 1.8A	130W, 4.7	65W, 2.35A
ECS130US33	31.1 to 33	75W, 2.3A	38W, 1.15A	100W, 3.0A	50W, 1.5A	130W, 3.9	65W, 1.95A
ECS130US36	33.1 to 42	75W, 2.1A	38W, 1.05A	100W, 2.8A	50W, 1.4A	130W, 3.6	65W, 1.8A
ECS130US48	42.1 to 54	75W, 1.56A	38W, 0.78A	100W, 2.1A	50W, 1.05A	130W, 2.7	65W, 1.35A

ECS130US15-XA1013 is identical to Model ECS130US15, except for the size of the PWB mounting holes.

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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:

- This power supply was evaluated with Two MOPP between primary and secondary; One MOPP primary and Earth; One MOPP between secondary and Earth for Class I application; Functional Insulation between secondary and floated earth trace for class II application.
- This power supply has been evaluated as a continuous operation, ordinary equipment and has not been evaluated for use in the presence of a flammable anesthetic mixture with air, oxygen, or nitrous oxide. The output circuits have not been evaluated for direct patient connection (Type B, BF or CF).
- The available voltage for the secondary outputs does not exceed 25 Vac or 60 Vdc, under normal and single fault conditions.
- The input/output connectors are not acceptable for field connections; they are only intended for connection to mating connectors of the end-use equipment.
- Proper bonding to the end-product main protective earthing terminal is required when the power supply is installed in the Class I end product.
- Primary side heat sinks are floating and considered live, they shall not be accessible in the end-product.
- When installed in end product, the clearance and creepage distance between the related circuitry of the power supply and accessible parts shall meet the standard(s) requirements. Hi-pot test, touch current test and ground bond test (for Class I end product) shall be conducted at end product.
- The end product shall ensure the requirements related to accompanying documents, clause 7.9.
- The product was not investigated to the following standards or clauses: Biocompatibility (ISO 10993-1), Clause 14, Programmable Electronic Systems, Electromagnetic Compatibility (IEC 60601-1-2).

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