



No. B 057396 0377 Rev. 01

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.:** 095-72143775Q-000

Valid until: 2024-09-26

Date, 2019-10-21

( Adrian Rabago Valenzuela )



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ECM100USxx, ECM100USxx\*, ECM100USxx (3X5), Model(s):

ECM100US33>2413, ECM100US48-DC 3X5

(where xx can be a number between 03 to 48 designating

output voltage)

XP **Brand Name:** 



Parameters:

Rated Input Voltage: 106-333 VDC (ECM100US48-DC 3X5)

100-240 VAC (all other models)

50/60 Hz (all models except ECM100US48-DC Rated Frequency:

3X5)

1.14 A (ECM100US48-DC 3X5) Rated Input Current:

2.2 A (all other models)

Protection Class: Class I or Class II at end use

(except ECM100USxx\* for Class I installation

only)

50°C max Temperature, Ambient:

0-2000 m above sea level Elevation for Use:

#### **Model Differences:**

ECM100USxx\* models are identical to ECM100USxx models except for the PWB layout, minor secondary components (C43) and the following:

a) Model ECM100USxx\* is intended for Class I installation only.

b) Model ECM100USxx is intended for either Class I or Class II installation.

ECMUS100USxx (3X5) models are identical to ECM100USxx except for the physical size of the PWB and the addition of a functional earth trace to the PWB layout of ECMUS100USxx (3X5). Model ECM100US33>2413 is identical to model ECM100US33 except that the PWB layout and the Primary and Secondary connectors are located on the opposite side of the PWB.

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**Approved Models and Rated Outputs:** 

Model	Output	Output Current Maximum	
Number	Voltage	Convection cooled	5 CFM
ECM100US03 ECM100US03* ECM100US03 (3X5)	+3.3 V	16.0 A	20.0 A
ECM100US05 ECM100US05* ECM100US05 (3X5)	+5.0 V	16.0 A	20.0 A
ECM100US07 ECM100US07* ECM100US07 (3X5)	+7.0 V	11.0 A	14.3 A
ECM100US09 ECM100US09* ECM100US09 (3X5)	+9.0 V	8.8 A	11.1 A
ECM100US12 ECM100US12 ECM100US12 (3X5)	+12.0 V	7.5 A	8.3 A
ECM100US15 ECM100US15* ECM100US15 (3X5)	+15.0 V	6.0 A	6.6 A
ECM100US18 ECM100US18* ECM100US18 (3X5)	+18.0 V	5.0 A	5.5 A
ECM100US24 ECM100US24* ECM100US24 (3X5)	+24.0 V	4.1 A	4.1 A
ECM100US33 ECM100US33* ECM100US33 (3X5)	+33.0 V	3.0 A	3.0 A
ECM100US48 ECM100US48* ECM100US48 (3X5)	+48.0 V	2.1 A	3.0 A
ECM100US33>2413	+33.0 V	3.0 A	3.0 A
ECM100US48-DC 3X5	48	1.5 A, 72 W max	

#### **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.
- When installed in a Class II end product, the power supply shall be mounted on insulating
  posts in a manner that provides the minimum required Clearance between the power supply
  and any accessible conductive parts.
- Heatsinks are floating and considered live. They shall not be accessible 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 covered by this report 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.



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

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