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Product Service

C E R T I F I C A T E

No. B 057396 0569 Rev. 01

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

Test report no.: 7191329786-03-TR

Valid until: 2026-01-07

Date, 2024-06-07

(Kim Hock Teo)

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

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Model(s): 10003831, 10006770, ECM60US12-XB0324, ECM60US24-C

ECM40USXX, ECM60USXX, ECC40USXX, ECC60USXX
Where XX can be any number between 05 and 48 designating the output voltage. May be followed by 3X5

Brand Name: **XP**

Parameters:

Rated Input:	Models ECM40USXX, ECC40USXX, 10003831: INPUT ~100 - 240VAC 50/60Hz Models ECM60USXX, ECC60USXX, 10006770, ECM60US12-XB0324, ECM60US24-C: INPUT ~100 - 240VAC 50/60HZ
Rated Input Current:	1A: Models ECM40USXX, ECC40USXX, 10003831 1.5A: Models ECM60USXX, ECC60USXX, 10006770, ECM60US12-XB0324, ECM60US24-C
Rated Input Frequency:	50/60 Hz
DC Output Ratings:	See below for output ratings
Elevation for use:	0-500 m above sea level
Protection Class:	Class I or Class II determined in end product
Maximum temperature, ambient:	50°C at 100% rated output; 70°C at 50% rated output; 80°C at 50% rated output with 5cfm fan. °C

General Product information:

Models covered in this report are component power supply intended for use in Information Technology Equipment. Units are intended for use with Class I or Class II end-products.

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Rated Outputs for Models:

ECM40US05 4.1-6VDC 8.0A 40W
ECM40US07 6.1-8VDC 5.7A 40W
ECM40US09 8.1-10VDC 4.4A 40W
ECM40US12 10.1-13.5VDC 3.5A 40W
ECM40US15 13.6-17VDC 2.7A 40W
ECM40US18 17.1-21VDC 2.2A 40W
ECM40US24 21.1-26VDC 1.7A 40W
ECM40US28 26.1-31VDC 1.4A 40W
ECM40US33 31.1-33VDC 1.2A 40W
ECM40US36 33.1-42VDC 1.1A 40W
ECM40US48 42.1-54VDC 0.9A 40W
ECM60US05 4.1-6VDC 12.0A 60W
ECM60US07 6.1-8VDC 8.6A 60W
ECM60US09 8.1-10VDC 6.7A 60W
ECM60US12 10.1-13.5VDC 5.0A 60W
ECM60US15 13.6-17VDC 4.0A 60W
ECM60US18 17.1-19.9VDC 3.3A 60W
ECM60US20 20.0-21.0VDC 3.0A 60W
ECM60US24 21.1-26VDC 2.5A 60W
ECM60US28 26.1-31VDC 2.14A 60W
ECM60US33 31.1-33VDC 1.8A 60W
ECM60US36 33.1-42VDC 1.6A 60W
ECM60US48 42.1-54VDC 1.25A 60W
10003831: 5VDC 6A 30W
10006770: 12.5 VDC 4.8 A
ECM60US12-XB0324: 12 VDC 5.0 A
ECM60US24-C: 24 VDC 2.5A

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Conditions of Acceptability:

When installed in an end-product, consideration must be given to the following:
• The following product-line tests are conducted for this product : Electric Strength
• The following output circuits are at ES1 energy levels : All Outputs
• The following output circuits are at PS3 energy levels : All Outputs
• The maximum investigated branch circuit rating is : 20 A
• The investigated Pollution Degree is : 2
• Proper bonding to the end-product main protective earthing termination is : Required (Class I)
• An investigation of the protective bonding terminals has : Not been conducted
• The following input terminals/connectors must be connected to the end-product supply neutral : AC N
• The following end-product enclosures are required : Mechanical, Fire, Electrical
• The following magnetic devices (e.g. transformers or inductor) are provided with an OBJY2 insulation system with the indicated rating greater than Class A (105°C) : T1 (Class F, 155°C) and/or L1 (min. 130°C)
• The power supply was evaluated to be used at altitudes up to : "5000 m"
• When installed in a Class I end product, the power supply shall be mounted in a manner that provides the minimum required Clearance between the primary side of power supply and protectively earthed 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 should not be accessible in the end-product.
• A suitable main disconnect device shall be provided in the end product.
• 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.
• Consideration to repeating the Touch Current test should be given in the end-product evaluation.
• The power supplies in this report have been subject to Capacitance Discharge testing. Additionally, all associated component safeguards have been assessed to the applicable requirement in Annex G.10. Additional testing should not be needed if directly connected to mains e.g. using an appliance inlet, wiring terminals, etc.

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

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