



Product Service

# CERTIFICATE

No. B 057396 0567 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](http://www.tuvsud.com/ps-cert)

**Test report no.:** 7191330405-08-TR

**Valid until:** 2026-01-07

**Date,** 2024-06-27

( Kim Hock Teo )

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**Model(s):**

ECL15US24-XD0030B

ECL15USXX-Y-ZZ

Where "XX" is 03, 05, 09, 12, 15, 24 or 48, "Y" is E, P, T or S, "Z" is any alphanumeric character or blank. "-" is optionally provided

**Brand Name:**

XP

**Parameters:**

Rated Input:	100-240V~ or 100-350Vdc (Models: ECL15US24-Y-ZZ, ECL15US24-XD0030B) 100-240 Vac (All other models)
Rated Input Current:	0.6A at 100-240V~ or 0.2A at 100-350Vdc (Models: ECL15US24-Y-ZZ, ECL15US24-XD0030B) 0.6A (All other models)
Rated Input Frequency:	50-60 Hz (When inputting alternating current)
DC Output Ratings:	See below for output ratings
Elevation for use:	0-3048 m above sea level
Protection Class:	Class I determined in end product
Maximum temperature, ambient:	Rated 50°C at full output load, 70°C at half output load

**General Product information:**

Electronic components mounted on PWB, and housed in plastic enclosure with epoxy for Models ECL15USXX-E and ECL15USXX-S series; Models ECL15USXX-T and ECL15USXX-P are not provided with plastic enclosure with epoxy.

Models ECL15USXX-Y series intended to connect to AC mains supply only and Models ECL15US24-Y-ZZ and ECL15US24-XD0030B could connect to either AC mains or DC mains supply.

**Rated Outputs for Models:**

ECL15US03-Y: 3.3Vdc 3A  
ECL15US05-Y: 5Vdc 3A  
ECL15US09-Y: 9Vdc 1.67A  
ECL15US12-Y: 12Vdc 1.25A  
ECL15US15-Y: 15Vdc 1A  
ECL15US24-Y-ZZ and ECL15US24-XD0030B: 24Vdc 0.63A  
ECL15US48-Y: 48Vdc 0.32A

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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 OBJ2 insulation system with the indicated rating greater than Class A (105°C) : T1 (Class B), L1 (130°C)
- The power supply was evaluated to be used at altitudes up to : "3048 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.
- 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