



Product Service

# CERTIFICATE

No. B 057396 0918 Rev. 00

**Holder of Certificate:** **XP Power LLC.**  
15641 Red Hill Avenue, Suite 100  
Tustin CA 92780  
USA

**Certification Mark:**



**Product:** **Power supply**  
**Switching 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 and certification 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.:** 7191310576-TR

**Valid until:** 2028-10-02

**Date,** 2023-10-05

( Kim Hock Teo )

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**Model(s):** EHL20US03, EHL20US05, EHL20US09, EHL20US12,  
EHL20US15, EHL20US24, EHL20US48,  
EHL20US03-P, EHL20US05-P, EHL20US09-P,  
EHL20US12-P, EHL20US15-P, EHL20US24-P,  
EHL20US48-P

**Brand Name:** XP Power

**Parameters:**

Input:

100-480VAC, 0.45A, 50/60Hz

Output:

EHL20US03, EHL20US03-P: 3.3VDC, 4.55A

EHL20US05, EHL20US05-P: 5VDC, 4A

EHL20US09, EHL20US09-P: 9VDC, 2.22A

EHL20US12, EHL20US12-P: 12VDC, 1.67A

EHL20US15, EHL20US15-P: 15VDC, 1.33A

EHL20US24, EHL20US24-P: 24VDC, 0.83A

EHL20US48, EHL20US48-P: 48VDC, 0.42A

The maximum operating ambient temperature is specified by the manufacturer as following:

- i) 45°C (Full Load) and 70°C (40% Load) for models EHL20US03 & EHL20US05,
- ii) 45°C (Full Load) and 70°C (40% Load) for models EHL20US03-P & EHL20US05-P,
- iii) 60°C (Full Load) and 70°C (60% Load) for models EHL20US09, EHL20US12, EHL20US15, EHL20US24 & EHL20US48,
- iv) 55°C (Full Load) and 70°C (60% Load) for models EHL20US09-P, EHL20US12-P, EHL20US15-P, EHL20US24-P & EHL20US48-P.

**Additional application considerations –**

**(Considerations used to test a component or sub-assembly) –**

- Suitability of Enclosure is to be evaluated at end-product. Fire enclosure shall be provided in the end-product.
- Accessibility of Live parts is to be evaluated at the end-product enclosure.
- Stability and Securement of power supplies are to be evaluated at end-product.
- These power supplies need to be evaluated for mechanical strength and testing with end-product.
- Temperature test, abnormal temperature test needs to be repeated in the end-product evaluation.
- Spacing of the product to its mounting and surrounding are to be evaluated when installed to end-product.
- The power supply series covered by this report employ Double/Reinforced Insulation between Primary and Secondary circuits.
- Capacitor discharge needs to be evaluated at the end-product.
- These power supplies are not cord connected with plug attachment. Products pins are not for insertion into socket-outlets.
- These power supplies are considered as components and built-in appliance. Instructions for safe-use and built-in requirements are to be evaluated at end-product.
- The equipment suitability for connection to AC Mains shall be determined in the end use product.
- The end-product Electric Strength Test is to base upon a maximum working voltage  $382V_{rms}$  /  $635V_{pk}$ .



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- These power supplies need to be evaluated for ground bond test and earth leakage with end-product.
- These power supplies shall be installed with external overcurrent protective devices (glass fuse, rated 2A, 600V~) in the end-product installation.

**Tested according to:** EN 62368-1:2020/A11:2020