



Product Service

CERTIFICATE

No. B 057396 0380 Rev. 02

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.: 7191329786-06-TR

Valid until: 2026-01-07

Date, 2024-06-07

(Kim Hock Teo)

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Model(s):

ECM140USxx

(where xx can be number from 12 to 48 designating output voltage, may be provided with additional suffix "-A" for standby transformer T2)

Brand Name: **XP**

Parameters:

Rated Input Voltage: 100 - 240 VAC

Rated Input Current: 2.5 A

Rated input frequency: 50 / 60 Hz

Protection Class: I or II at end use

Elevation for use: 0-3048m above sea level

For additional information please see below.

Approved models and Rated Outputs:

Model Number	Main Output Ratings (V/A) (1)		Main Output Power	
	Convection cooling	10 CFM force cooling	Convection cooling	10 CFM force cooling
ECM140US12	12.0V/10.0A	12.0V/11.7A	120	140
ECM140US15	15.0V/8.0A	15.0V/9.3A	120	140
ECM140US18	18.0V/6.6A	18.0V/7.7A	120	140
ECM140US24	24.0V/5.0A	24.0V/5.8A	120	140
ECM140US28	28.0V/4.2A	28.0V/5.0A	120	140
ECM140US48	48.0V/2.5A	48.0V/2.9A	120	140
Fan output rating (2): 12 Vdc/0.5 A; Optional standby output (3): 5 Vdc/0.5 A				

Max Temperature: Total output (Outputs 1, 2, and 3) is rated 148W at 60°C with 10 CFM fan, 122.5W at 50°C with convection cooling (No fan, standby at 5V/0.5A).

Output 1 is rated max. 140W at 60°C with 10 CFM fan, 120W at 50°C with convection cooling.

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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:

- A suitable electrical and fire enclosure must be provided in the end use equipment.
- The product is intended for use on the following power systems: TN
- 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.
- 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 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.

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