ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

C E R T I F I C A T E

No. B 057396 0865 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.: 7191302260-11-TR

Valid until: 2026-01-07

Date, 2024-07-23

(Kim Hock Teo)

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

Product Service

C E R T I F I C A T E

No. B 057396 0865 Rev. 01

Model(s): **101912, F3, FF, F4, F6, F7, F8, FX Series**
(see approved models section for model details)

Parameters:

Input Ratings:	F3, F4, FF Series: 100-120/200-240 VAC, 50/60 Hz, 6.0/3.0 A F6 Series: 100-120/200-240 VAC, 50/60 Hz, 9.0/4.0 A F7 Series: 100-120/200-240 VAC, 50/60 Hz, 11.5 A F8 Series: 100-240 VAC, 50/60 Hz, 11.5 A FX Series: 100-240 VAC, 50/60 Hz, 17.0 A 101912: 100-240 VAC, 50/60 Hz, 11.5 A
Protection Class	Class I at end use
Max Temperature, ambient:	50°C with 100% rated output, 60°C with 75% rated output, 70°C with 50% rated output
Elevation for use:	0-3048 m (all models except 101912) 0-4500 m (101912)

Product Description

The product is a modular AC to DC power supply for building-in. The power supply consists of an input power platform and various plug-in Output Modules. Each plug-in Output Module is either 1,2 or 3 slot width. Power platform Models F3 and FF supports 1-3 slots, power platform Models F4, F6, and F7 supports 1-4 slots and power platform Models F8 and FX supports 1 to 6 slots, in any combination of 1, 2 or 3 slot plug-in modules.

Approved Models:

101912, F3-MMM-PPRR, FF-MMM-PPRR, F4-MMMM-PPRR, F6-MMMM-PPRR, F7-MMMM-PPRR, F8-MMMMMM-PPRR, FX-MMMMMM-PPRR
(Where M can be a combination of letter A-K and any number 0-9 for different output module combination; where P can be an any number 0-6 or blank for parallel option; where R can be a combination of a number 1-2 and a letter R or S for air flow option. "-" provided optionally).

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

TÜV®

Product Service

CERTIFICATE

No. B 057396 0865 Rev. 01

Output Rating at 50°C:

F3 Series: Max. 300 W (100-120/200-240 VAC input): up to 3 output modules provided.

FF Series: Max. 350 W (100-120/200-240 VAC input): up to 3 output modules provided.

F4 Series: Max. 400 W (100-120/200-240 VAC input): up to 4 output modules provided.

F6 Series: Max. 600 W (100-120/200-240 VAC input): up to 4 output modules provided.

F7 Series: Max. 700 W (100-120/200-240 VAC input): up to 4 output modules provided.

F8 Series: Max. 800 W (100-240 VAC input): up to 6 output modules provided.

FX Series: Max. 1000 W (100-240 VAC input): up to 6 output modules provided.

Output Module Ratings:

Module A0: 62.5 Vdc, 2A

Modules Ax (where x may be 0-6, 7, 8, 9): 1 Slot Module, 2.0 to 60 Vdc, Max. 20 A, Max.144 W

Modules A$ (where $ may be A-C, G, H, J, M, P, and S): 1 Slot Module, 2.2 to 54 Vdc, Max. 135 W

Modules Bx (where x may be 1 to 9, A to H, J, K, M, N, P, and R): 2 Slot Module, 2 to 48 Vdc, Max. 60 A, Max. 400 W

Modules Cx (where x may be 1-3 and 6-9, and K): 3 Slot Module, 2 to 48 Vdc, Max. 100 A, Max. 504 W

Modules C% (where % may be A-F, M, N, P, and R): 3 Slot Module, 2.2 to 42 Vdc, Max. 100 A, Max. 520 W

Modules Dx (where x may be 1-4): 2 Slot Module, Dual Output: V1=5 to 15 Vdc, Max. 10 A, 249 W, V2=12 to 25 Vdc, Max. 10 A, Max 249 W

Modules Ex (where x may be 1-3): 2 Slot Module, Triple Output: V1=1 to 12 Vdc, Max. 14 A, 102 W, V2=12 to 15 Vdc, Max. 102 W, V3=12 to 15Vdc Max, 2A Max.

Modules Gx (where x may be 1-7): 1 Slot Module, Dual Output: V1=5.0 to 24 Vdc, Max. 8 A, Max. 48 W, V2=5.0 to 24 Vdc, Max. 8 A, Max. 48 W,

Modules Hx (where x may be 3-6): 1 Slot Module, 5.0 to 24 Vdc, Max 8 A, Max. 48 W

Modules H@ (where @ may be C, D, H, and J): 1 Slot Module, 5.2 to 14 Vdc, Max. 8 A, Max 44 W

Modules J# (where # may be 1-9 or A-H or J, K, M, N, P, R, S, and T): 1 Slot Module, 2.0 to 60 Vdc, Max. 35 A, 210 W

Modules K# (where # may be 1-8): Dual Output: V1=3.3 V to 48 Vdc, Max. 10 A, V2=5.0 to 24Vdc, Max. 10A, Max. 180 W Total.

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

TÜV®

Product Service

C E R T I F I C A T E

No. B 057396 0865 Rev. 01

Output Module Differences:

All models are identical, except as specifically described below:

Module A$ Series are identical to Module Ax Series, except for minor secondary components changes that are not related to safety.

Module Bx Series are identical, except for transformer windings and minor differences in the (SELV) circuit which do not affect safety.

Module C% Series are identical to Module Cx Series, except for minor secondary components change not related to safety.

Models in the Module Dx Series are identical, except for number of turns in the transformers winding and minor changes to the secondary components not related to safety.

Models in the Module Ex Series are identical, except for number of turns in the transformers winding and minor secondary components not related to safety.

Models in the Module Gx Series are identical, except for number of turns in the transformers winding and minor secondary components not related to safety.

Module H@ Series are identical to Module Hx Series, except for minor secondary components not related to safety.

Models in the Module J# Series are identical, except for minor secondary components not related to safety.

Module K# Series are similar to Module J# except for secondary components and component to accommodate a 2nd voltage outputs.

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

TÜV®

Product Service

C E R T I F I C A T E

No. B 057396 0865 Rev. 01

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 end-product Electric Strength Test is to be based upon a maximum working voltage of : PrimaryEarthed Dead Metal: 240 Vrms; Primary-Secondary: 314 Vrms, 538 Vpk.
- The following output circuits are at ES1 energy levels : All outputs, except for Module A0 which is ES2.
- The following output circuits are at PS3 energy levels : All.
- The maximum investigated branch circuit rating is : 20 A for all Platform Models, 30A for Models F8 and FX.
- The following input terminals/connectors must be connected to the end-product supply neutral: Terminal marked "N" on the supply connector (J1) for Models F3 and FF only.
- Heatsinks are floating and considered live. They should not be accessible in the end-product.
- Proper bonding to the end-product main protective earthing terminal is required at end use.
- When installed in end product, the clearance and creepage distance between the hazardous voltage parts and accessible parts shall meet the standard(s) requirements. Hi-pot test, touch current test and ground bond test shall be conducted at end product.
- The fan provided in the product has a fan guard to reduce the risk of operator contact with the stator. Compliance shall be determined in the end-product.
- The equipment is provided with a fuse in both the Line and Neutral of the primary circuit. The need for a marking warning service person of the hazards associated with neutral fusing shall be considered in the end-product.

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

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

TÜV®