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Product Service

CERTIFICATE

No. B 057396 0215 Rev. 02

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

Certification Mark:



Product: **Switching power supply unit**

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. See also notes overleaf.

Test report no.: 095-72143850G-000

Valid until: 2024-07-23

Date, 2019-08-02

Liyuan Zhao
(Liyuan Zhao)



Product Service

CERTIFICATE

No. B 057396 0215 Rev. 02**Model(s):****EMA212PSxx**

Where xx can be number 12, 24 or 48 representing designated output. May be also followed by suffix "-F" for model with fast-on connector.

Brand Name:**XP****Parameters:**

Rated Input Voltage: 100-240 VAC

Rated Input Current: 3.0 A

Rated Frequency: 50/60 Hz

Protection Class: Class I at end use

Temperature, Ambient: see output rating table below

Elevation for Use: 0-3048 m above sea level

Approved models and output ratings:

Model Number	OUTPUT RATING AT 50°C AMBIENT		OUTPUT RATING AT 70°C AMBIENT	
	Voltage (VDC)	Max Current (A)	Voltage (VDC)	Max Current (A)
EMA212PS12	12	16.7	12	8.35
EMA212PS24	24	8.3	24	4.15
EMA212PS48	48	4.0	48	2.0

For all models:
V2: 12 VDC (fan), 1.0 A
V3: 5 VDC (stand-by), 0.1 A
Max 212.5 W

All models rated 50°C at full load (212.5 W) with 10.67CFM forced air cooling to the primary side, 70°C at 50% load (100.8 W) with 10.67CFM forced air cooling to the primary side.

Model Differences

Models are similar, except V1 output voltage/current rating and T7 secondary windings. Output terminal (CON2) provided with terminal block or fast-on connector, represented by -F suffix.

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CERTIFICATE

No. B 057396 0215 Rev. 02

Conditions of Acceptability:

When installing the equipment, all requirements of the standards and the manufacturer's specifications must be met.

The models require:

- 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)
- 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
- 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 protective earthed 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.

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

Production Facility(ies): 059061, 059319, 071712, 089850

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