



Product Service

# CERTIFICATE

No. B 057396 0611 Rev. 00

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

**Certification Mark:**




**Product:** **Power supply  
(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.:** 095-72158812101-000

**Valid until:** 2025-07-19

**Date,** 2020-07-22

  
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**Model(s):**

ECM100Uxy Series

(where xx can be D2, T3 or Q4 represent different outputs, y can be 1-7 for output voltage variation; Model number is followed with suffix W and can be optionally followed by (3X5) for PWB size.

**Brand Name:**

**XP**

**Parameters:**

Rated Input Voltage: 100-240 VAC,  
Rated Frequency: 50/60 Hz  
Rated Input Current: 2.2 A  
Protection Class: Class I at end use  
Elevation for use: 0-3000 m above sea level

**Approved models and Rated Outputs:**

ECM100Uxy Series DC output ratings								
Model Number	V1		V2		V3		V4	
	Vdc	A	Vdc	A	Vdc	A	Vdc	A
ECM100UD21	5	12	12	3	--	--	--	--
ECM100UD22	5	12	15	3	--	--	--	--
ECM100UT31	5	10	12	3	-12	0.8	--	--
ECM100UT32	5	10	24	2	-12	0.8	--	--
ECM100UT33	5	10	15	3	-15	0.8	--	--
ECM100UT34	3.3	10	5	5	12	0.8	--	--
ECM100UT35	5	10	3.3	5	12	0.8	--	--
ECM100UT36	5	10	12	3	-5	0.8	--	--
ECM100UT37	5	10	15	3	-5	0.8	--	--
ECM100UQ41	5	10	3.3	5	12	0.8	-12	0.5
ECM100UQ42	3.3	10	5	5	12	0.8	-12	0.5
ECM100UQ43	5	10	24	2	12	0.8	-12	0.5
ECM100UQ44	5	10	24	2	15	0.8	-15	0.5
ECM100UQ45	5	10	12	3	-12	0.8	-5	0.5
ECM100UQ46	5	10	15	3	-15	0.8	-5	0.5

The maximum output with convection cooling is 80 W at maximum 50°C.  
the maximum output with 5 CFM external forced cooling is 100 W at maximum 50°C.



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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:

- Suitable Fire/Mechanical/Electrical enclosure shall be provided as part of the end product.
- Power supply Models with the suffix W are evaluated for 2 MOPP between Primary and Secondary and One MOPP primary and Earth.
- When installed into end product, sufficient clearance and creepage distance shall be provided between power supply and accessible conductive parts.
- Temperature, Leakage Current, Protective Earthing, Dielectric Voltage Withstand, cap discharge test and Interruption of the Power Supply tests should be considered as part of the end product evaluation.
- The output circuits have not been evaluated for direct patient connection (Type B, BF or CF).
- The input/output connectors are not acceptable for field connections, they are only intended for connection to mating connectors of the end use equipment.
- The power supplies have not been evaluated for use in the presence of flammable anesthetic mixture with air, oxygen or nitrous oxide.
- Proper bonding to the end-product main protective earthing terminal is required when the power supply is installed in the Class I end product.
- The product was not investigated to the following standards or clauses: Biocompatibility (ISO 10993-1), Clause 14, Programmable Electronic Systems, Electromagnetic Compatibility (IEC 60601-1-2).

**Tested according to:** EN 60601-1:2006/A12:2014

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