



America

# CERTIFICATE

No. B 15 06 57396 333

Holder of Certificate: **XP Power LLC.**



15641 Red Hill Avenue, Suite 100  
Tustin CA 92780  
USA

Production  
Facility(ies):

59319, 71712, 89850

Certification Mark:



Product:

Power supply  
(Power supply)

Model(s):

XM4, XM5, XM7, XM9, XM10 Series  
( see attachment for model details )

Parameters:

Rated Input Voltage:	100-240 V AC
Rated Input Frequency:	50/60 Hz
Rated Input Current:	XM4: 5.6 A; XM5: 7.0 A; XM7: 10.0 A; XM9: 12.7 A; XM10: 14.2 A
Rated Output Voltage:	See attachment
Protection Class:	Class I at end products
Temperature, Ambient:	50°C at full load, 70°C at half load.
Elevation for Use:	0 - 3000 m
See attachment for further information.	

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

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.: 095-72106100-000

Valid until: 2020-06-03

Date, 2015-06-08

*None*

Page 1 of 3





America

# ATTACHMENT TO CERTIFICATE NO. B 15 06 57396 333 FOR XP POWER LLC

## POWER SUPPLY

The equipment is a modular AC to DC power supply intended to be used in Medical Electrical Equipment. Units are intended for building in Class I end-products. The power supply consisting of an input power platform and various plug-in Output Modules. Each plug-in Output Module is either 2, 3 or 4 slot width.

### Model No. configuration:

XM4-MMMMM-PPSSNN; XM5-MMMMM-PPSSNN; XM7-MMMMMPPSSNN;  
XM9-MMMMM-PPSSNN; XM10-MMMMMMM-PPSSNN.

M: can be a combination of 1, 2, 3, 4, 5 or blank and a letter A-Z or blank; - indicates module designation;  
PPSSNN: where P can be any number 0-9; where S can be any number 0-9; where N can be any number 0-9; - indicates manufacturer configuration code (non-safety related).

### Chassis (input power platform):

Model	Max Input Current (A)	Max Output Power (W) (100-180V)	Max Output Power (W) (180-240V)	Output module No.
XM4 series	5.6	400	600	Up to 5
XM5 series	7.0	500	700	Up to 5
XM7 series	10.0	700	900	Up to 5
XM9 series	12.7	900	1100	Up to 6
XM10 series	14.2	1000	1200	Up to 7

### Module designation:

Module codes	Slot wide	V1 Output			V2 Output			Total Max Power (W)
		Voltage (V dc)	Max Current (A)	Max Power (W)	Voltage (V dc)	Max Current (A)	Max Power (W)	
1A -1Z	2	3.3 to 60	20	126	--			
2A - 2Z	2	3.3 to 60	40	252	--			
3A - 3Z	3	3.3 to 60	60	420	--			
4A - 4Z	4	12.0 to 60	62.5	756	--			
5A - 5Z	2	3.3 to 24	10	150	2.0 to 24	10	150	150
6A - 6Z	2	5 to 24	10	175	5 to 24	10	175	175



America

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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.
- This power supply was evaluated with Two MOPP between Primary and Secondary; One MOPP primary and Earth.
- This power supply has been evaluated as a continuous operation, ordinary equipment and has not been evaluated for use in the presence of a flammable anesthetic mixture with air, oxygen, or nitrous oxide. The output circuits have not been evaluated for direct patient connection (Type B, BF or CF).
- The available voltage for the secondary outputs does not exceed 25 Vac or 60 Vdc, under normal and single fault conditions.
- The output connectors are not acceptable for field connections; they are only intended for connection to mating connectors of the end-use equipment.
- Repeat of leakage current testing and consideration of non-frequency weighted leakage current (clause 8.7.3) to be considered as part of the end product.
- Primary side heat sinks are floating and considered live. They should not be accessible in the end product.
- Proper bonding to the end-product main protective earthing termination is required.
- Protective Earthing Test (Clause 8.6.4) was conducted at 30A. The need for additional Protective Earthing Test at 40A shall to be determined as part of end product evaluation.
- The end product shall ensure the requirements related to accompanying documents, clause 7.9.
- Scope of Power Supply evaluation defers the following clauses to the be determined as part of the end product: Clause 7.5 (Safety Signs), Clause 7.9 (Accompanying Documents), Clause 9 (ME Hazard), Clause 10 (Radiation), Clause 14 (PEMS), Clause 16 (ME Systems).
- 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).