



Product Service

CERTIFICATE

No. B 057396 0924 Rev. 00

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 and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 095-72141258-100

Valid until: 2024-10-08

Date, 2023-12-13

(Antony Young-Taylor)

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Model(s):

GSP500PS34-XG1042, GSP500PSxxy
(where xx can be number between 12 to 48 for output voltage; y can be "P" or blank, may be followed by "-EF" or/and "-SF". See below for detail. All "-" are optional)

Brand Name:

XP

Parameters:

Rated Input Voltage: 100-240 VAC

Rated Input Current: 6.5 A

Rated Input Frequency: 50/60 Hz

Elevation for Use: 0-5000 m above sea level

Protection Class: Class I at end use

Maximum Temperature, Ambient: See below (approved models section)

General Product Information:

The models covered in this report are dual output component power supplies intended for use in Medical Electrical Equipment. They are open frame power supplies intended for building-in.

Approved models and rated Outputs:

Model Number	Voltage (VDC)	OUTPUT RATING							
		Convectional Cooling				Forced air cooling			
		50°C		70°C		40°C (GSP500PS34y, GSP500PS34- XG1042 only)		70°C	
		Max Current (A)	Max Power (W)	Max Current (A)	Max Power (W)	Max Current (A)	Max Power (W)	Max Current (A)	Max Power (W)
GSP500PS12	10.1-13.5	17	180	8.5	90	42	500	21	250
GSP500PS15	13.6-17	12	180	6	90	33.33	500	16.67	250
GSP500PS18	17.1-21	10	180	5	90	27.7	500	13.8	250
GSP500PS24	21.1-26	7.5	180	3.75	90	21	500	10.5	250
GSP500PS28	26.1-31	6.43	180	3.22	90	17.86	500	8.93	250
GSP500PS36	33.1-42	5	180	2.5	90	13.89	500	6.95	250
GSP500PS48	42.1-52	3.75	180	1.88	90	10.5	500	5.25	250
GSP500PS34	34	--	--	--	--	16.2	550	--	--
GSP500PS34-XG1042	34	--	--	--	--	16.2	550	--	--
All models are provided with (V2) 5Vdc, 0.2 A standby output. FAN OUTPUT (V3): 12 VDC, 0.3 A.									

Suffix:

"-EF" provided with End Fan (15 CFM)

"-SF" indicates models provided with only one fuse in the line and no fuse in the neutral.

"P" indicates construction variation to current sensing transformer T100.

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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 Mechanical, Fire and Electrical enclosure shall be provided in the end use equipment.
- Proper bonding to the end-product main protective earthing termination is required when the power supply is installed in end product. Protective earthing testing shall be conducted in the end product application.
- Power supply provides 2 MOPP between Primary to Secondary, 1 MOPP between Primary and Earth/Enclosure, 1MOPP between secondary output to earth/enclosure based on 48 Vdc working voltage.
- When installed in end product, the clearance and creepage distance between the hazardous voltage circuitry and accessible parts shall meet the standard(s) requirements. Hi-pot test, touch current test and ground bond test (for Class I end product) shall be conducted at end use.
- 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).
- Temperature, Leakage and Dielectric Strength testing shall be considered in the end system and consideration of non-frequency weighted leakage current (clause 8.7.3e) to also be considered as part of the end product.
- Models provided with suffix SF only provided with one line side fuse. Consideration should be made in the end-use product to determine the need of double pole fusing.
- Heatsinks are floating and considered live. They should not be accessible in the 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). Proper bonding to the end-product main protective earthing termination is: Required.

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