



Product Service

CERTIFICATE

No. B 057396 0866 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.: 7191302260-12-TR

Valid until: 2026-01-07

Date, 2024-07-23

(Kim Hock Teo)

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Model(s):

GSP500PS48-XD0666, GSP500PSxx

(Where xx can be number from 12 to 48, representing output voltage. May additionally be followed by "-EF", "-SF", and/or "-P". All "-" are optional)

Suffix "-EF" indicates units provided with End Fan.

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

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

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 or Class II at end use

Max. Temperature, Ambient: model GSP500PS48-XD0666: 40°C

other models: 50°C with 100% rated output power

70°C with 50% rated output power

General Product information:

The product is a component AC-DC power supply for building-in, open frame type provided with a metal chassis, incorporating primary and SELV components.

The main PWB is secured to the chassis studs by multiple machine screws.

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Approved models and Rated Outputs:

Model Number	Max OUTPUT (Convection Cooling) @ 50°C			Max OUTPUT (Convection Cooling) @ 70°C		
	Voltage (VDC)	Current (A)	Max. Power (W)	Voltage (VDC)	Current (A)	Max. Power (W)
GSP500PS12	10.1-13.5	15	180	10.1-13.5	7.5	90
GSP500PS15	13.5-17	12	180	13.5-17	6	90
GSP500PS18	17.1-21	10	180	17.1-21	5	90
GSP500PS24	21.1-26	7.5	180	21.1-26	3.75	90
GSP500PS28	26.1-31	6.43	180	26.1-31	3.22	90
GSP500PS33	31.1-33	5.45	180	31.1-33	2.72	90
GSP500PS36	33.1-42	5	180	33.1-42	2.5	90
GSP500PS48	42.1-52	3.75	180	42.1-52	1.88	90

Model Number	Max OUTPUT (Forced Cooling) @ 50°C			Max OUTPUT (Forced Cooling) @ 70°C		
	Voltage (VDC)	Current (A)	Max. Power (W)	Voltage (VDC)	Current (A)	Max. Power (W)
GSP500PS12	10.1-13.5	42	500	10.1-13.5	25	250
GSP500PS15	13.5-17	33.33	500	13.5-17	16.67	250
GSP500PS18	—	—	—	—	—	—
GSP500PS24	21.1-26	21	500	21.1-26	10.5	250
GSP500PS28	26.1-31	17.86	500	26.1-31	8.93	250
GSP500PS33	—	—	—	—	—	—
GSP500PS36	33.1-42	13.89	500	33.1-42	6.95	250
GSP500PS48	42.1-52	10.5	500	42.1-52	5.25	250

Model Number	Max OUTPUT (Forced Cooling) @ 40°C		
	Voltage (VDC)	Current (A)	Max. Power (W)
GSP500PS48-XD0666	48	11.46	550

Stand-by output for all models: 5 VDC, 2 A

Fan output for all models: 12 VDC, 0.13 A

“ — ” indicates no such output exist for the respective models

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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:

- 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
- The power supply was evaluated to be used at altitudes up to : "5,000 m"
- 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 protectively earthed accessible conductive parts.
- When installed in a Class II end product, the power supply shall be mounted on insulating posts in a manner that provides the minimum required Clearance between the power supply and any 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.
- For models without "SF" suffix: 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