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Product Service

C E R T I F I C A T E

No. B 057396 0869 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.: 7191302260-15-TR

Valid until: 2026-01-07

Date, 2024-07-08

(Kim Hock Teo)

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

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Model(s):

GCU500PSxx

(where xx can be 12-48 for main output voltage, model No. can be optionally followed by “-EF” for model with end fan, can have additional suffix “-SF” for single pole fusing, all "-" is optional)

Parameters:

Input Voltage:	100-240 VAC
Input frequency:	50/60 Hz
Input Current:	6.0 A
Protection Class:	Class I or Class II at end use
Elevation for use:	0-5000 m above sea level

Approved models and Rated Outputs:

Model Number	Voltage (VDC)	OUTPUT RATING									
		Forced air cooling(13 cfm) and end fan (-EF, 10.10 cfm min)				Convectional Cooling					
		50°C		70°C		40°C		50°C		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)	Max Current (A)	Max Power (W)
GCU500PS12	10.1-13.5	41.7	500	20.8	250	20.8	250	18.8	225	9.4	113
GCU500PS15	13.6-17	33.3	500	16.7	250	16.7	250	15.0	225	7.5	113
GCU500PS18	17.1-21	27.8	500	13.9	250	13.9	250	12.5	225	6.3	113
GCU500PS24	21.1-26	20.8	500	10.4	250	10.4	250	9.4	225	4.7	113
GCU500PS28	26.1-31	17.9	500	8.9	250	8.9	250	8.0	225	4.0	113
GCU500PS33	31.1-33	15.2	500	7.6	250	7.6	250	6.8	225	3.4	113
GCU500PS36	33.1-42	13.9	500	6.9	250	6.9	250	6.3	225	3.1	113
GCU500PS48	42.1-54	10.4	500	5.2	250	5.2	250	4.7	225	2.4	113
All models are provided with 5Vdc, 0.2 A standby output											

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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.
- The following output circuits are at ES1 energy levels : All
- The following output circuits are at PS3 energy levels : All
- Heatsinks are floating and considered live. They should not be accessible in the end-product.
- Proper bonding to the end-product main protective earthing terminal is required when the power supply is installed in the Class I end product.
- When installed in end product, the clearance and creepage distance between the ES3 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.
- The maximum continuous power supply output (Watts) relied on forced air cooling from: 13 cfm fan applied 1 inch from input side, blowing inward.
- The equipment is provided with fuses in both the Line and Neutral of the primary circuit. The need for a marking warning service person of the hazards associated with neutral fusing shall be considered in the end-product.
- Safeguards against capacitor discharge after disconnection of a connector (clause 5.5.2.2) shall be evaluated in the end-product.

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

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