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Product Service

C E R T I F I C A T E

No. B 057396 0568 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.: 7191330405-01-TR

Valid until: 2026-01-07

Date, 2024-06-27

(Kim Hock Teo)

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

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Model(s): GCS350PSXXYY
Where XX is between 12 and 56, YY is "-C", “-EF”, "-TF", or blank. May be provided with additional suffix "-J", "-S" or "-SF". All "-" considered optional.

Brand Name: XP

Parameters:

Rated Input: 100-240 Vac
Rated Input Current: 4.9A
Rated Input Frequency: 50/60 Hz
DC Output Ratings: See below for output ratings
Elevation for use: 0-5000 m above sea level
Protection Class: Class I or Class II determined in end product
Maximum temperature, ambient: 50°C at 100% rated output; 70°C at 50% rated output; 80°C at 50% rated output with 5cfm

General Product information:

Models covered in this report are component power supply intended for use in Information Technology Equipment. Units are intended for use with Class I or Class II end-products.

Rated Outputs for Models:

Model Number	Output Voltage	Convectional Cooling			
		Max Output Current @ 50°C (175W Max)	Max Output Current @ 70°C (87.5W Max)	Max Output Current @ 50°C (130W Max) W/Cover	Max Output Current @ 70°C (65W Max) W/Cover
GCS350PS12	12 V	14.6A	7.30A	10.80A	5.42A
GCS350PS15	15 V	11.7A	5.83A	8.67A	4.33A
GCS350PS18	18 V	9.72A	4.865A	7.22A	3.61A
GCS350PS24	24 V	7.30A	3.65A	5.42A	2.71A
GCS350PS28	28 V	6.25A	3.13A	4.64A	2.32A
GCS350PS33	33 V	5.30A	2.65A	3.94A	1.97A
GCS350PS36	36 V	4.86A	2.43A	3.615A	1.81A
GCS350PS48	48 V	3.65A	1.82A	2.71A	1.35A
GCS350PS56	56 V	3.12A	1.56A	2.32A	1.16A

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Model Number	Output Voltage	Convectional Cooling			
		Max Output Current @ 40°C (200W Max)	Max Output Current @ 30°C (225W Max)	Max Output Current @ 40°C (170W Max) W/Cover	Max Output Current @ 30°C (175W Max) W/Cover
GCS350PS12	12 V	16.67A	18.75A	14.17A	14.60A
GCS350PS15	15 V	13.33A	15.00A	11.33A	11.70A
GCS350PS18	18 V	11.11A	12.50A	9.44A	9.72A
GCS350PS24	24 V	8.30A	9.38A	7.10A	7.30A
GCS350PS28	28 V	7.14A	8.04A	6.07A	6.25A
GCS350PS33	33 V	6.06A	6.82A	5.15A	5.30A
GCS350PS36	36 V	5.56A	6.25A	4.72A	4.86A
GCS350PS48	48 V	4.17A	4.69A	3.54A	3.65A
GCS350PS56	56 V	3.57A	4.02A	3.04A	3.13A

Model Number	Output Voltage	Forced Air (15cfm)			
		Max Output Current @ 50°C (350W Max)	Max Output Current @ 70°C (175W Max)	Max Output Current @ 50°C (350W Max) W/Cover	Max Output Current @ 70°C (175W Max) W/Cover
GCS350PS12	12 V	29.2A	14.6A	29.2A	14.6A
GCS350PS15	15 V	23.3A	11.70A	23.3A	11.70A
GCS350PS18	18 V	19.4A	9.72A	19.4A	9.72A
GCS350PS24	24 V	14.6A	7.30A	14.6A	7.30A
GCS350PS28	28 V	12.5A	6.25A	12.5A	6.25A
GCS350PS33	33 V	10.6A	5.30A	10.6A	5.30A
GCS350PS36	36 V	9.72A	4.86A	9.72A	4.86A
GCS350PS48	48 V	7.29A	3.65A	7.29A	3.65A
GCS350PS56	56 V	6.25A	3.12A	6.25A	3.12A

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Conditions of Acceptability:

When installed in an end-product, consideration must be given to the following:
• The following product-line tests are conducted for this product : Electric Strength
• 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)
• An investigation of the protective bonding terminals has : Not been conducted
• 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 following magnetic devices (e.g. transformers or inductor) are provided with an OBJY2 insulation system with the indicated rating greater than Class A (105°C) : T1 (Class F, 155°C) and/or L1 (min. 130°C)
• The power supply was evaluated to be used at altitudes up to : "5000 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.
• 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.
• Consideration to repeating the Touch Current test should be given in the end-product evaluation.
• The power supplies in this report have been subject to Capacitance Discharge testing. Additionally, all associated component safeguards have been assessed to the applicable requirement in Annex G.10. Additional testing should not be needed if directly connected to mains e.g. using an appliance inlet, wiring terminals, etc.

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

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