

CERTIFICATE

No. B 057396 0373 Rev. 01

Holder of Certificate: XP Power LLC.

15641 Red Hill Avenue, Suite 100

Tustin CA 92780

USA

Certification Mark:



Product: Power supply

Switching 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. See also notes overleaf.

Test report no.: 095-72143775H-000

Valid until: 2024-06-17

Date. 2019-07-25

ACT.

(Adrian Rabago Valenzuela)

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Model(s):

CCH400PSxx, CCH600PSxx

(where xx can be number 12-48 indicating output voltage)

Brand Name:

ΧP



Parameters:

Rated Input Voltage: 100-240 VAC

Rated Frequency: 50/60 Hz

Rated Input Current: 6.5 A (CCH400PSxx), 8.9 A (CCH600PSxx)

Protection Class: Class I at end use

Elevation for use: 0-3048 m above sea level

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 and a baseplate for conduction cooling.

Output ratings:

	OUTPUT RATING AT 50□C		
Model Number	Voltage (VDC)	Current (A)	Power (W)
CCH400PS12	10.1 – 13.5	34.0	400
CCH400PS15	13.6 – 17	26.6	400
CCH400PS18	17.1 – 21	22.2	400
CCH400PS24	21.1 – 26	17.0	400
CCH400PS28	26.1 – 31	14.5	400
CCH400PS33	31.1 – 33	12.1	400
CCH400PS36	33.1 – 42	11.1	400
CCH400PS48	42.1 – 48	8.5	400
CCH600PS12	10.1 – 13.5	50.0	600
CCH600PS15	13.6 - 17	40.0	600
CCH600PS18	17.1 – 21	33.3	600
CCH600PS24	21.1 – 26	25.0	600
CCH600PS28	26.1 – 31	21.5	600
CCH600PS33	31.1 – 33	18.2	600
CCH600PS36	33.1 – 42	16.7	600
CCH600PS48	42.1 – 48	12.5	600
All models are provided with 5vdc, 0.5 A stand-by output.			

Model Differences:

The power supplies in the series are differentiated by the output voltage and current ratings, number of turns of primary/secondary windings in the Transformer (T1 (Power)) and minor differences in the secondary circuit components.

Model CCH400PSxx Series is identical to Model CCH600PSxx Series with exception to the output ratings for their respective series.

Suffix "xx" denotes the output voltage rating.





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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 fire, electrical, and mechanical enclosure must be provided in the end use equipment.
- The investigated Pollution Degree is: 2
- The following output circuits are at ES1 energy levels : All DC Outputs
- The following output circuits are at PS3 energy levels: All DC Outputs with air cooling.
- The maximum investigated branch circuit rating is: 20 A
- The following input terminals/connectors must be connected to the end-product supply neutral: CON3
- The power supply was evaluated to be used at altitudes up to : 3048 m
- Power Classification for the outputs were not conducted as part of this investigation. Manufacturer declares all outputs as PS3.
- If the fire enclosure is rated V-1, all mains components shall be separated by a minimum of 13 mm. All other components shall be separated by a minimum of 5 mm.
- Components within the power supply are heat sinked to the base plate of the power supply. The base plate temperature should not exceed 85°C as part of the end product evaluation. End product shall determine appropriate heat sink size, maximum recommended ambient temperature, and output load to prevent the base plate temperature from exceeding 85°C. The type test for the power supply was conducted at ambient condition: 50°C with full rated output and 70°C with half rated output.
- Output has energy level higher than 240VA, additional compliance at end use.
- Proper bonding to the end-product main protective earthing terminal is required when the power supply is installed in the end product.
- When installed in end product, the clearance and creepage distance between the hazardous voltage and accessible parts shall meet the standard(s) requirements. Hi-pot test, touch current test and ground bond test shall be conducted at end product.

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

071712, 059319, 059061, 089850 **Production**

Facility(ies):

