



Product Service

CERTIFICATE

No. B 057396 0321 Rev. 02

Holder of Certificate: **XP Power LLC.**
340 Commerce, Suite 100
Irvine CA 92602
USA

Certification Mark:



Product: **Power supply
(AC-DC 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.: 7191331260-TR

Valid until: 2026-01-07

Date, 2024-04-29

(Kim Hock Teo)



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Model(s):

CHD250PSxxyy

(where "xx" can be any number between 12 to 48 indicating main output voltage, "yy" can be SF indicating Single Fuse, may also be provided with additional suffixes "-S", "-C", "-L", and/or "A".)

Brand Name: XP

Parameters:

Rated Input Voltage: 100-240 VAC,

Rated Frequency: 50/60 Hz

Rated Input Current: 3.1 A max

Protection Class: Class I at end use

Elevation for use: 0-5000 m above sea level

Temperature, Ambient: 50°C with 100% rated output

70°C with 50% rated output

Approved models and Rated Outputs:

Model Number	OUTPUT RATING		
	Voltage (VDC)	Max Current (A)	Max Output Power (W)
CHD250PS12	10.1 to 13.5	20.8	250
CHD250PS15	13.6 to 17	16.7	250
CHD250PS18	17.1 to 21	13.9	250
CHD250PS24	21.1 to 26	10.4	250
CHD250PS28	26.1 to 31	8.93	250
CHD250PS33	31.1 to 33	7.58	250
CHD250PS36	33.1 to 42	6.94	250
CHD250PS48	42.1 to 54	5.2	250
The above ratings are for models without cover at 50°C.			

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Approved models and Rated Outputs continued:

Model	Convection Cooling		Convection Cooling with 5V Standby		Convection Cooling with Cover		Convection Cooling with Cover and with 5V Standby	
	Max output at 50°C	Max output at 70°C	Max output at 50°C	Max output at 70°C	Max output at 50°C	Max output at 70°C	Max output at 50°C	Max output at 70°C
CHD250PS12	250 W; 20.8 A	125 W; 10.4 A	255 W; 20.8 A, 1 A	127.3 W; 10.4 A, 0.5 A	217W; 18.1 A	108.5 W; 9.04 A	165 W; 13.33A, 1 A	82.5 W; 6.67 A, 0.5 A
CHD250PS15	250 W; 16.7 A	125 W; 8.33 A	255 W; 16.7 A, 1 A	127.3 W; 8.33 A, 0.5 A	217W; 14.5 A	108.5 W; 7.23 A	165 W; 10.7 A, 1 A	82.5 W; 5.33 A, 0.5 A
CHD250PS18	250 W; 13.9 A	125 W; 6.94 A	255 W; 13.9 A, 1 A	127.3 W; 6.94 A, 0.5 A	217W; 12.1 A	108.5 W; 6.03 A	165 W; 8.89 A, 1 A	82.5 W; 4.44 A, 0.5 A
CHD250PS24	250 W; 10.4 A	125 W; 5.2 A	255 W; 10.4 A, 1 A	127.3 W; 5.2 A, 0.5 A	217W; 9.04 A	108.5 W; 4.52 A	165 W; 6.67 A, 1 A	82.5 W; 3.33 A, 0.5 A
CHD250PS28	250 W; 8.93 A	125 W; 4.46 A	255 W; 8.93 A, 1 A	127.3 W; 4.46 A, 0.5 A	217W; 7.75 A	108.5 W; 3.88 A	165 W; 5.71 A, 1 A	82.5 W; 2.86 A, 0.5 A
CHD250PS33	250 W; 7.58 A	125 W; 3.79 A	255 W; 7.58 A, 1 A	127.3 W; 3.79 A, 0.5 A	217W; 6.58 A	108.5 W; 3.29 A	165 W; 4.84 A, 1 A	82.5 W; 2.42 A, 0.5 A
CHD250PS36	250 W; 6.94 A	125 W; 3.47 A	255 W; 6.94 A, 1 A	127.3 W; 3.47 A, 0.5 A	217W; 6.03 A	108.5 W; 3.01 A	165 W; 4.44 A, 1 A	82.5 W; 2.22 A, 0.5 A
CHD250PS48	250 W; 5.2 A	125 W; 2.6 A	255 W; 5.2 A, 1 A	127.3 W; 2.6 A, 0.5 A	217W; 4.52 A	108.5 W; 2.26 A	165 W; 3.33 A, 1 A	82.5 W; 1.67 A, 0.5 A

Suffix:

SF: single fuse provided in the line side of the primary.

May also be provided with additional suffixes "-S", "-C", "-L", and/or "-A" ("-A" optional)

-C: model provided with cover;

-S: model provided with screw terminal;

-L: model provided with input leads;

-A: model provided with 5V Stand-by output rated 5Vdc, 1A.

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Conditions of Acceptability:

The models require:

- A suitable electrical and fire enclosure must be provided in the end use equipment.
- The product is intended for use on the following power systems: TN
- The following output circuits are at ES1 energy levels: All
- The following output circuits are at PS3 energy levels: All
- Proper bonding to the end-product main protective earthing termination shall be provided at end product.
- Input Connector (CON1) N terminal must be connected to the end-product supply neutral.
- Heatsinks are floating and considered live. They should not be accessible in the end-product.
- The equipment is provided with a fuse 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.
- When installed in end product, the clearance and creepage distance between the hazardous parts and accessible parts shall meet the standard(s) requirements. Electric strength test, touch current test and ground bond test (for Class I end product) shall be conducted at end use.

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