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America

CERTIFICATE

No. B 14 06 57396 266

Holder of Certificate: **XP Power LLC.**
1241 East Dyer Road, Suite 150
Santa Ana CA 92705
USA

Production Facility(ies): 71712, 59319

Certification Mark:

Product: **Power supply (Power supply)**

Model(s): **CCB200PSxx**
(For further information, please see attachment)

Parameters:

Rated Input Voltage:	100-240 V AC
Rated Input Current:	2.4 A
Rated Input Frequency:	50/60 Hz
Rated Output Voltage:	See attachment
Protection Class:	Class I at end use
Temperature, Ambient:	85°C max.
Elevation for use:	0-5000 m above sea level

See attachment for further information.

Tested according to: EN 60601-1/A1:2012

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.: SI1400202-100

Date, 2014-06-26

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FOR XP POWER LLC

POWER SUPPLY

General Product information:

Models covered in this report are component power supplies intended for use in medical equipment. They are open frame power supplies intended for building-in Class I end product.

Approved models and Rated Outputs:

Model Number	OUTPUT			
	Voltage (V)	Current (A) 50°C	Current (A) 85°C	Power 50°C / 85°C
CCB200PS12	10.1 – 13.5	16.7	8.35	200 / 100
CCB200PS15	13.6 – 17.0	13.3	6.65	200 / 100
CCB200PS18	17.1 – 21.0	11.1	5.55	200 / 100
CCB200PS24	21.1 – 26.0	8.3	4.15	200 / 100
CCB200PS28	26.1 – 31.0	7.1	3.55	200 / 100
CCB200PS33	31.1 – 33.0	6.1	3.05	200 / 100
CCB200PS36	33.1 – 42.0	5.6	2.8	200 / 100
CCB200PS48	42.1 – 54.0	4.2	2.1	200 / 100
CCB200PS56	54.1 – 56.0	3.57	1.79	200 / 100

Suffix:
"SF": Single fuse in primary.
"-C": Provided with cover.
"-S": Provided with screw terminal.
"-L": Provided with input leads.
"-A": Provided with 5 Vdc, 0.5 A stand-by 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 end-product Electric Strength Test is to be based upon a maximum working voltage of: Primary-Earthed: 240 Vrms, 340 Vpk, Primary-Secondary: 240 Vrms, 446 Vpk
- Proper bonding to the end-product main protective earthing termination is: Required --
- An investigation of the protective bonding terminals has: Not been conducted
- The following end-product enclosures are required: Electrical, Mechanical, Fire
- Temperature, Leakage and Dielectric Strength testing shall be considered in the end system and consideration of non-frequency weighted leakage current (clause 8.7.3e) to also be considered as part of the end product.
- Clearance spacing evaluated for 5000 m altitude. Additional consideration maybe necessary in the end-use product
- Heatsinks are floating and considered live. They should not be accessible in the end-product
- The device shall be installed in compliance with the enclosure, mounting, spacing, casualty, markings, and segregation requirements of the end-use application
- The power supplies were evaluated as having 2 MOPP between primary-to-secondary for 240Vrms, 446Vpk, 1 MOPP between primary-to-ground for 240Vac and 354Vpk. In addition Models CCB200PSXX, where XX is 12 to 36 only were evaluated for 2 MOPP between secondary to earth for working voltage of 42Vdc and 1 MOPP for a working voltage of 250Vrms between secondary and earth for BF output considerations.
- ME Equipment is component for building-in. Applicability of the following is to be determined in End Product Evaluation: 5.9 - Accessibility, 7 - Identification marking and Documents, 8.4.2 - Accessible Parts Including Applied Parts, 8.6 - Protective Earthing, 8.11.1 - Isolation from Supply Mains, 8.11.3 - Power Supply Cords, 9 - Protection against mechanical hazards, 11.3 - Fire Enclosure, 11.8 - Interruption of power supply, 15.3 - Mechanical Strength, 15.4.1 - Construction of Connectors, 15.4.4 - Indicators
- Overcurrent releases of adequate breaking capacity must be employed in the end product. --
- Models with -A suffix were evaluated for 1 MOPP between Primary - Earth: 240Vrms, 241Vpk; 2 MOPP between Primary- Secondary: 240Vrms, 468Vpk. In addition Models CCB200PSXX–A, where XX is 12 to 36 only were evaluated for 2 MOPP between secondary to earth for working voltage of 42Vdc and 1 MOPP for a working voltage of 250Vrms between secondary and earth for BF output considerations. --