

Certificate of Compliance

Certificate: 1031248

Master Contract: 188668

Project: 1234657


Date Issued: August 17, 2001

Issued to: FSP Group Inc.
6F-1, No 487, Ta Yu Rd.
Taoyuan Hsien, Taiwan
Attention: Mr. Allen Cheng

*The products listed below are eligible to bear the CSA Mark shown,
with adjacent indicator NRTL/C.*



Issued by: A. Yeung, P. Eng.

Authorized by: 
Ray Fadavi, P. Eng., MBA
Operations Manager

PRODUCTS

CLASS 5311 03 - POWER SUPPLIES - Component Type
CLASS 5311 83 - POWER SUPPLIES - Component Type - CERTIFIED TO U.S. STANDARDS

Component type power supplies intended for use with Information Technology and Business Equipment, where the suitability of the combination is to be determined by CSA International.

The "NRTL/C" indicator adjacent to the CSA Mark signifies that the product has been evaluated to the applicable ANSI/UL and CSA Standards, for use in the U.S. and Canada. NRTL, i.e. Nationally Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.



CSA INTERNATIONAL

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PART	MODEL NO.	INPUT RATING	OUTPUT RATING
A	FSP250-60GyA y=I, N, T for chassis type	115/230Vac, 60/50Hz, 10/5A or 230Vac, 50Hz, 5A	Level 3, rated +5/+12/+3.3/-5/-12/+5sb V dc; 27/13 or 10/16/0.3/0.8/2 or 3A. (+5V & +3.3V= 175W) (Total max 250W).
B	FSP235-60GyA y=I, N, T for chassis type	115/230Vac, 60/50Hz, 10/5A or 230Vac, 50Hz, 5A	Level 3, rated +5/+12/+3.3/-5/-12/+5sb V dc; 22/12/14/0.3/0.8/2 or 3A. (+5V & +3.3V= 125W) (+5V & +3.3V & +12V=215W) (Total max 235W).
C	FSP200-60GyA y=I, N, T for chassis type	115/230Vac, 60/50Hz, 10/5A or 230Vac, 50Hz, 5A	Level 3, rated +5/+12/+3.3/-5/-12/+5sb V dc; 21/10/14/0.3/0.5/2 or 3A. (+5V & +3.3V= 105W) (+5V & +3.3V & +12V=183W) (Total max 200W)
D	FSP145-60GyA y=I, N, T for chassis type	115/230Vac, 60/50Hz, 7/4A or 230Vac, 50Hz, 4A	Level 3, rated +5/+12/+3.3/-5/-12/+5sbV dc; 18/6/12/0.3/0.5/2 or 3A. (+5V & +3.3V= 90W) (+5V & +3.3V & +12V=128W) (Total max 145W).
E	FSP235-60PNA or FSP235-60PNA(PF)	115/230Vac, 60/50Hz, 10/5A or 230Vac, 50Hz, 5A	Level 3, rated +5/+12/+3.3/-5/-12/+5sb V dc; 22/8/14/0.3/0.8/2 A, +12V/0.8A (optional) for model FSP235-60PNA(PF) (+5V & +3.3V= 125W) (+5V & +3.3V & +12V=215W) (Total max 235W).
F	FSP250-60GyV(PF) or FSP250-60GyV y=N or T for chassis type	115/230Vac, 60/50Hz, 10/5A or 230Vac, 50Hz, 5A	Level 3, rated +5/+12/+3.3/-5/-12/+5sb V dc; 27/13/20/0.3/0.8/2A. (+5V & +3.3V= 175W) (Total max 250W).
G	FSP200-60PNA(PF)	115/230Vac, 60/50Hz, 10/5A or 230Vac, 50Hz, 5A	Level 3, rated +5/+12/+3.3/-5/-12/+5sb V dc; 25/4.5/7.6/0.8/2A. (+5V & +3.3V= 150W) (+5V & +3.3V & +12V=180W) (Total max 200W).
H	FSP215-60PNA(PF)	115/230Vac, 60/50Hz, 10/5A or 230Vac, 50Hz, 5A	Level 3, rated +5/+12/+3.3/-5/-12/+5sb V dc; 28/5.5/5/0.4/2A. (+5V & +3.3V= 150W) (+5V & +3.3V & +12V=200W) (Total max 215W).

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No 950-95

UL Std No 1950, 3rd Ed.

- Safety of Information Technology Equipment, Including Electrical Business Equipment
- Safety of Information Technology Equipment Including Electrical Business Equipment



CSA INTERNATIONAL

Supplement to Certificate of Compliance

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The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
1234657	August 17, 2001	Updating of report 1031248 to add alt. T1 and DC Jack for model FSP235-60PNA(PF), changed output and alt. PFC choke for Model FSP250-60GyA and add alt. FSP200-60PNA(PF), FSP215-60PNA(PF) and FSP250-60GyV, GyV(PF)
1211465	June 5, 2001	Updating of report 1031248 to cover alternate option of PFG Choke
1158108	August 23, 2001	Updating of report 1031248 to cover alternate option of PFG Choke
1127023	September 20, 2000	Updating Project 1031248 to add FSP145-60PNA(PF), FSP235-60(PF) and additional rating of 230V ac, 5A and 230V ac, 4A
1079697	May 1, 2000	Updating of report 2500004603 to cover additional model FSP235-60PNA and alternate transformers T1, T2, T3.
2500010995	March 29, 2000	Updating of report 2500004603 to cover additional control SELV board for Models FSPxxx-60GNA.
1031248	January 28, 2000	Original Certification. Originally issued as 2500004603.