



全漢企業股份有限公司

安規證書

料號 :
Model Name : FSP100-P35-B19,FSP150-P35-A12,FSP150-P35-A24,FSP150-P35-A54,FSP150-WSPF35-Z12,FSP150-P35-D12
版次 : 08
文件編號 : SFD-00001477
作者 : kent/葉泰宏(FSP)
Model No/Type : FSP100-P35-B19,FSP150-P35-A12,FSP150-P35-A24,FSP150-P35-A54,FSP150-WSPF35-Z12,FSP150-P35-D12
SFA NO. : SFA21111106
Trade mark : FSP
安規種類 : CB 62368
發行日期 : 2022/11/22 15:43:58
備註 : 歐盟62368第二版法規的適用期,同意從2023-01-06起往後順延18個月,故修改安規到期日



Ref. Certif. No.

CA/20930M3/CSA

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

Switching Power Supply

Name and address of the applicant

FSP Group Inc
No. 22, Jianguo E. Road, Taoyuan 330 Taiwan

Name and address of the manufacturer

FSP Group Inc
No. 22, Jianguo E. Road, Taoyuan 330 Taiwan

Name and address of the factory

Note: When more than one factory, please report on page 2

ShenZhen HuiLi Electronics CO., LTD.
Building C4(101~301)-C11, No. 352, LiuTang Rd., County
73, Bu'Xin Village, Xin'an, Bao'an, Shenzhen, Guangdong,
P. R. China☒ Additional Information on page 2

Ratings and principal characteristics

Input: 100-240 Vac, 50-60 Hz, 2.4 A
Output: See Additional Information on page 2

Trademark (if any)



Customer's Testing Facility (CTF) Stage used

CTF Stage 2

Model / Type Ref.

1) FSP100-P35-B19, 2) FSP150-P35-A12
3) FSP150-P35-A24, 4) FSP150-P35-A54,
5) FSP150-WSPF35-Z12, 6) FSP150-P35-D12

Additional information (if necessary may also be reported on page 2)

Additionally the product was evaluated to the requirements of EN 62368-1:2014+A11:2017

☒ Additional Information on page 2

A sample of the product was tested and found to be in conformity with

IEC 62368-1: 2014

As shown in the Test Report Ref. No. which forms part of this Certificate

CB 188668-70154211 (80118260)

This CB Test Certificate is issued by the National Certification Body

CSA Group
178 Rexdale Boulevard
Toronto, ON M9W 1R3 Canada

Date: 2022-06-24

Signature: William Meng



Ref. Certif. No.

CA/20930M3/CSA

Name and address of additional factories

Zhonghan Electronics (Shenzhen) Co., Ltd.

Building A2 in Section A, Building 4,6,7 in Section C, JuYuan Industrial Zone, Tang Wei Village, FuHai Town, BaoAn Dist., ShenZhen City, Guangdong,
P.R. China

Wuxi SPI Technology Co., Ltd.

No. 96, Xinmei Road, New District, Wuxi city, Jiangsu,
P.R. China

Wuxi ZhongHan Technology Co., Ltd.

Block 106-D, Wuxi Nation HI-TECH Industrial, Development Zone, Wuxi City, Jiangsu, Province,
P.R. China

ShenZhen HuiLi Electronics CO., LTD

Building C4-C11, No. 352, LiuTang Rd., County 73, Bu'Xin Village, Xin'an, Bao'an, Shenzhen, Guangdong,
P.R. China

ShenZhen HuiLi Electronics CO., LTD

Building B & G, Peace Hi-tech Industrial Zone, Peace Village, FuHai Town, Bao'an, Shenzhen, Guangdong 518102,
P.R. China

FSP Technology Inc. Taoyuan Plant 3

5F., No. 6, 4F., No. 6, No.6, Xinglong Rd., Taoyuan Dist., Taoyuan City, 330
Taiwan

ZHONGHAN SCIENCE & TECH CO. LTD

Building 8 & 9, Section B, JuYuan Industrial Zone, ChiaoTang Rd., TangWei Village, FuHai Town, BaoAn District. ShenZhen City, Guangdong,
P.R. China

Ratings and principal characteristics

Output:

- 1) 19Vdc, 5.27A Max.
- 2), 5), 6) 100W Max.: 12Vdc, 8.4A Max.; or
150W Max.: 12Vdc, 12.5A Max., 12Vdc. 0.5A Max. (Fan driver)
- 3) 100W Max.: 24Vdc, 4.16A Max.; or
150W Max.: 24Vdc, 6.25A Max., 12Vdc. 0.5A Max. (Fan driver)
- 4) 100W Max.: 54Vdc, 1.85A Max.; or
150W Max.: 54Vdc, 2.77A Max., 12Vdc. 0.5A Max. (Fan driver)

Additional information (if necessary)

This test report shall be read in conjunction with the following CB Test Report No. CB 188668-70154211, with CB certificate No. CA/20930/CSA; Report No. CB 188668-70154211(80007358) with CB certificate No. CA/20930M1/CSA and Report No. CB 188668-70154211(80075482) with CB certificate No. CA/20930M2/CSA

Original report was modified due to include the following changes/additions:

1. Added a new model FSP150-P35-D12 with the all new PWB and transformer & magnetics
2. Added alternate factory and revised the address of ShenZhen HuiLi Electronics CO., LTD.
3. Added alternate source in table 4.1.2

Date: 2022-06-24

Signature: William Meng



Ref. Certif. No.

CA/20930M2/CSA

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

Switching Power Supply

Name and address of the applicant

FSP Group Inc
No. 22, Jianguo E. Road, Taoyuan 330 Taiwan

Name and address of the manufacturer

FSP Group Inc
No. 22, Jianguo E. Road, Taoyuan 330 Taiwan

Name and address of the factory

Note: When more than one factory, please report on page 2

Zhonghan Electronics (Shenzhen) Co., Ltd.
Building A2 in Section A, Building 4,6,7 in Section C,
JuYuan Industrial Zone, TangWei Village, FuYong Town,
BaoAn District, ShenZhen City, Guangdong, China☒ Additional Information on page 2

Ratings and principal characteristics

Input: 100-240 Vac, 50-60 Hz, 2.4 A
Output: See Additional Information on page 2

Trademark (if any)



Customer's Testing Facility (CTF) Stage used

N/A

Model / Type Ref.

1) FSP100-P35-B19, 2) FSP150-P35-A12,
3) FSP150-P35-A24, 4) FSP150-P35-A54,
5) FSP150-WSPF35-Z12

Additional information (if necessary may also be reported on page 2)

Additionally the product was evaluated to the requirements of EN 62368-1:2014+A11:2017

☒ Additional Information on page 2

A sample of the product was tested and found to be in conformity with

IEC 62368-1: 2014

As shown in the Test Report Ref. No. which forms part of this Certificate

CB 188668-70154211(80075482)

This CB Test Certificate is issued by the National Certification Body

CSA Group
178 Rexdale Boulevard
Toronto, ON M9W 1R3 Canada

Date: 2021-03-31

Signature: William Meng



Ref. Certif. No.

CA/20930M2/CSA

Name and address of additional factories

Wuxi SPI Technology Co., Ltd.

No.96, Xinmei Road, New District
Wuxi city, Jiangsu,
China

ShenZhen HuiLi Electronics Co., LTD.

Block C, Building 4,6,7,8,9,10,11, County 73,
Xin'an, Bao'an, Shenzhen Guangdong,
China

ZHONGHAN SCIENCE & TECH CO. LTD.

Building 9, Section B, JuYuan Industrial Zone,
TangWei Village, FuYong Town, BaoAn District.
ShenZhen City, Guangdong,
China

Wuxi Zhonghan Technology Co., Ltd.

Block 106-E,
Wuxi Nation HI-TECH Industrial Development Zone,
Wuxi City, Jiangsu Province,
China

ShenZhen HuiLi Electronics Co., LTD.

Building C4-C11, No. 352, LiuTang Rd.,
County 73, Bu'Xin Village, Xin'an,
Bao'an, Shenzhen, Guangdong,
China

ShenZhen HuiLi Electronics Co., LTD

Building B & G, Peace Hi-tech Industrial Zone,
Peace Village, FuHai Town,
Bao'an, Shenzhen,
China

Ziqiang Factory of FSP Technology Inc.

2F., No.722, Ziqiang S. Rd., Guishan Dist.,
Taoyuan City 333
Taiwan

Ratings and principal characteristics

Output:

- 1) 19Vdc, 5.27A Max.;
- 2) & 5) 100W Max.: 12Vdc, 8.4A Max.; or
150W Max.:12Vdc, 12.5A Max., 12Vdc. 0.5A Max. (Fan Driver);
- 3) 100W Max.: 24Vdc, 4.16A Max.; or
150W Max.: 24Vdc, 6.25A Max., 12Vdc. 0.5A Max. (Fan driver)
- 4) 100W Max.: 54Vdc, 1.85A Max.; or
150W Max.: 54Vdc, 2.77A Max., 12Vdc. 0.5A Max. (Fan driver)

Additional information (if necessary)

This test report shall be read in conjunction with the following CB Test Report No. CB 188668-70154211, dated 2017-12-27 with CB certificate No. CA/20930/CSA, dated 2018-01-05; Report No. CB 188668-70154211(80007358), dated 2019-07-09 with CB certificate No. CA/20930M1/CSA, dated 2019-07-09
Original report was modified due to include the following changes/additions:

1. Add an alternate factory
2. Change rating of TH100
3. Add alternate source for AC Connector, Varistor, Y-Capacitor and Photo Coupler
4. Delete Transformer (T150)/8TT00642 of model FSP150-P35-A12
5. Delete Transformer (T150)/8TT00575 of model FSP150-WSPF35-Z12
6. Replace photo of model FSP150-P35-A12

Date: 2021-03-31

Signature: William Meng

	Ref. Certif. No. CA/20930M1/CSA																						
IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME																							
CB TEST CERTIFICATE <table border="0"> <tr> <td data-bbox="212 568 686 627">Product</td> <td data-bbox="686 568 1372 627">Switching Power Supply</td> </tr> <tr> <td data-bbox="212 658 686 716">Name and address of the applicant</td> <td data-bbox="686 658 1372 716">FSP Group Inc No. 22, Jianguo E. Road, Taoyuan 330 Taiwan</td> </tr> <tr> <td data-bbox="212 748 686 806">Name and address of the manufacturer</td> <td data-bbox="686 748 1372 806">FSP Group Inc No. 22, Jianguo E. Road, Taoyuan 330 Taiwan</td> </tr> <tr> <td data-bbox="212 837 686 918">Name and address of the factory Note: When more than one factory, please report on page 2</td> <td data-bbox="686 837 1372 981">Zhonghan Electronics (Shenzhen) Co., Ltd. Building A2 in Section A, Building 4,6,7 in Section C, JuYuan Industrial Zone, TangWei Village, FuYong Town, BaoAn District, ShenZhen City, Guangdong, China ☒ Additional Information on page 2</td> </tr> <tr> <td data-bbox="212 990 686 1048">Ratings and principal characteristics</td> <td data-bbox="686 990 1372 1070">Input: 100-240 Vac, 50-60 Hz, 2.4 A Output: See Additional Information on page 2</td> </tr> <tr> <td data-bbox="212 1102 686 1160">Trademark (if any)</td> <td data-bbox="686 1102 1372 1205">  </td> </tr> <tr> <td data-bbox="212 1214 686 1272">Customer's Testing Facility (CTF) Stage used</td> <td data-bbox="686 1214 1372 1272">N/A</td> </tr> <tr> <td data-bbox="212 1303 686 1361">Model / Type Ref.</td> <td data-bbox="686 1303 1372 1384">1) FSP100-P35-B19, 2) FSP150-P35-A12, 3) FSP150-P35-A24, 4) FSP150-P35-A54, 5) FSP150-WSPF35-Z12</td> </tr> <tr> <td data-bbox="212 1415 686 1473">Additional information (if necessary may also be reported on page 2)</td> <td data-bbox="686 1415 1372 1496">Additionally the product was evaluated to the requirements of EN 62368-1:2014+A11:2017 ☒ Additional Information on page 2</td> </tr> <tr> <td data-bbox="212 1527 686 1608">A sample of the product was tested and found to be in conformity with</td> <td data-bbox="686 1527 1372 1608">IEC 62368-1: 2014</td> </tr> <tr> <td data-bbox="212 1639 686 1720">As shown in the Test Report Ref. No. which forms part of this Certificate</td> <td data-bbox="686 1639 1372 1720">CB 188668-70154211 (80007358)</td> </tr> </table> This CB Test Certificate is issued by the National Certification Body		Product	Switching Power Supply	Name and address of the applicant	FSP Group Inc No. 22, Jianguo E. Road, Taoyuan 330 Taiwan	Name and address of the manufacturer	FSP Group Inc No. 22, Jianguo E. Road, Taoyuan 330 Taiwan	Name and address of the factory Note: When more than one factory, please report on page 2	Zhonghan Electronics (Shenzhen) Co., Ltd. Building A2 in Section A, Building 4,6,7 in Section C, JuYuan Industrial Zone, TangWei Village, FuYong Town, BaoAn District, ShenZhen City, Guangdong, China ☒ Additional Information on page 2	Ratings and principal characteristics	Input: 100-240 Vac, 50-60 Hz, 2.4 A Output: See Additional Information on page 2	Trademark (if any)		Customer's Testing Facility (CTF) Stage used	N/A	Model / Type Ref.	1) FSP100-P35-B19, 2) FSP150-P35-A12, 3) FSP150-P35-A24, 4) FSP150-P35-A54, 5) FSP150-WSPF35-Z12	Additional information (if necessary may also be reported on page 2)	Additionally the product was evaluated to the requirements of EN 62368-1:2014+A11:2017 ☒ Additional Information on page 2	A sample of the product was tested and found to be in conformity with	IEC 62368-1: 2014	As shown in the Test Report Ref. No. which forms part of this Certificate	CB 188668-70154211 (80007358)
Product	Switching Power Supply																						
Name and address of the applicant	FSP Group Inc No. 22, Jianguo E. Road, Taoyuan 330 Taiwan																						
Name and address of the manufacturer	FSP Group Inc No. 22, Jianguo E. Road, Taoyuan 330 Taiwan																						
Name and address of the factory Note: When more than one factory, please report on page 2	Zhonghan Electronics (Shenzhen) Co., Ltd. Building A2 in Section A, Building 4,6,7 in Section C, JuYuan Industrial Zone, TangWei Village, FuYong Town, BaoAn District, ShenZhen City, Guangdong, China ☒ Additional Information on page 2																						
Ratings and principal characteristics	Input: 100-240 Vac, 50-60 Hz, 2.4 A Output: See Additional Information on page 2																						
Trademark (if any)																							
Customer's Testing Facility (CTF) Stage used	N/A																						
Model / Type Ref.	1) FSP100-P35-B19, 2) FSP150-P35-A12, 3) FSP150-P35-A24, 4) FSP150-P35-A54, 5) FSP150-WSPF35-Z12																						
Additional information (if necessary may also be reported on page 2)	Additionally the product was evaluated to the requirements of EN 62368-1:2014+A11:2017 ☒ Additional Information on page 2																						
A sample of the product was tested and found to be in conformity with	IEC 62368-1: 2014																						
As shown in the Test Report Ref. No. which forms part of this Certificate	CB 188668-70154211 (80007358)																						
<table border="0"> <tr> <td data-bbox="212 1792 430 1993">  </td> <td data-bbox="430 1792 877 1993"> CSA Group 178 Rexdale Boulevard Toronto, ON M9W 1R3 Canada </td> <td data-bbox="877 1792 1372 1993">  Signature: William Meng </td> </tr> <tr> <td colspan="3"> Date: 2019-07-09 </td> </tr> </table>		CSA Group 178 Rexdale Boulevard Toronto, ON M9W 1R3 Canada	 Signature: William Meng	Date: 2019-07-09																			
	CSA Group 178 Rexdale Boulevard Toronto, ON M9W 1R3 Canada	 Signature: William Meng																					
Date: 2019-07-09																							

	Ref. Certif. No.
	CA/20930M1/CSA

Name and address of additional factories

Wuxi SPI Technology Co., Ltd.
No.96, Xinmei Road, New District
Wuxi city, Jiangsu,
China

ShenZhen HuiLi Electronics Co., LTD.
Block C, Building 4,6,7,8,9,10,11, County 73,
Xin'an, Bao'an, Shenzhen Guangdong,
China

ZHONGHAN SCIENCE & TECH CO. LTD.
Building 9, Section B, JuYuan Industrial Zone,
TangWei Village, FuYong Town, BaoAn District.
ShenZhen City, Guangdong,
China

Wuxi Zhonghan Technology Co., Ltd.
Block 106-E,
Wuxi Nation HI-TECH Industrial Development Zone,
Wuxi City, Jiangsu Province,
China

ShenZhen HuiLi Electronics Co., LTD.
Building C4-C11, No. 352, LiuTang Rd.,
County 73, Bu'Xin Village, Xin'an,
Bao'an, Shenzhen, Guangdong,
China

ShenZhen HuiLi Electronics Co., LTD
Building B & G, Peace Hi-tech Industrial Zone,
Peace Village, FuHai Town,
Bao'an, Shenzhen,
China

Ratings and principal characteristics

Output:

- 1) 19Vdc, 5.27A Max.;
- 2) & 5) 100W Max.: 12Vdc, 8.4A Max.; or
150W Max.:12Vdc, 12.5A Max., 12Vdc. 0.5A Max. (Fan Driver);
- 3) 100W Max.: 24Vdc, 4.16A Max.; or
150W Max.: 24Vdc, 6.25A Max., 12Vdc. 0.5A Max. (Fan driver)
- 4) 100W Max.: 54Vdc, 1.85A Max.; or
150W Max.: 54Vdc, 2.77A Max., 12Vdc. 0.5A Max. (Fan driver)

Additional information (if necessary)

- Project 80007358: Amendment 1

This test report shall be read in conjunction with the original test report;
Report No. 188668-70154211 dated 2017-12-27 with CBTC No. CA/20930/CSA dated 2018-01-05.

This CB report is modification changed report from CSA group issued CBTC/TR for:

- 1) Add new model FSP150-WSPF35-Z12.
- 2) Add one Mylar Sheet only for model FSP150-WSPF35-Z12.
- 3) Add one metal plate only for model FSP150-WSPF35-Z12.
- 4) Add one transformer (P/N.: 8TT00642) only for model FSP150-WSPF35-Z12.
- 5) Alternate one Choke (LF102) only for model FSP150-WSPF35-Z12.
- 6) Change Class of equipment from Class II to Class I.
- 7) Change address of ShenZhen HuiLi Electronics Co., LTD. to Building C4-C11, No. 352, LiuTang Rd., County 73, Bu'Xin Village, Xin'an, Bao'an, Shenzhen, Guangdong, China
- 8) Add new factory ShenZhen HuiLi Electronics Co., LTD/ Building B & G, Peace Hi-tech Industrial Zone, Peace Village, FuHai Town, Bao'an, Shenzhen.
- 9) Delete insulation tape in the Critical Component Table per client's request.



Date: 2019-07-09

Signature: William Meng

	Ref. Certif. No. CA/20930/CSA
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IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product	Switching Power Supply
Name and address of the applicant	FSP Group Inc. No. 22, Jianguo E. Road, Taoyuan 330 Taiwan
Name and address of the manufacturer	FSP Group Inc. No. 22, Jianguo E. Road, Taoyuan 330 Taiwan
Name and address of the factory	Zhonghan Electronics (Shenzhen) Co., Ltd. Building A2 in Section A, Building 4,6,7 in Section C, JuYuan Industrial Zone, TangWei Village, FuYong Town, BaoAn District, ShenZhen City, Guangdong, China ☑ Additional Information on page 2
Note: When more than one factory, please report on page 2	
Ratings and principal characteristics	Input: 100-240 Vac, 50-60 Hz, 2.4 A Output: See Additional Information on page 2
Trademark (if any)	
Customer's Testing Facility (CTF) Stage used	N/A
Model / Type Ref.	1) FSP100-P35-B19, 2) FSP150-P35-A12, 3) FSP150-P35-A24, 4) FSP150-P35-A54
Additional information (if necessary may also be reported on page 2)	Additionally the product was evaluated to the requirements of EN 62368-1:2014. ☐ Additional Information on page 2
A sample of the product was tested and found to be in conformity with	IEC 62368-1: 2014
As shown in the Test Report Ref. No. which forms part of this Certificate	CB 188668-70154211

This CB Test Certificate is issued by the National Certification Body



CSA Group
178 Rexdale Boulevard
Toronto, ON M9W 1R3 Canada



Date: 2018-01-05

Signature: William Meng

	Ref. Certif. No. CA/20930/CSA
---	---

Name and address of the factory

Wuxi SPI Technology Co., Ltd.
No.96, Xinmei Road, New District Wuxi city, Jiangsu, China

ShenZhen HuiLi Electronics Co., LTD.
Block C, Building 4,6,7,8,9,10,11, County 73, Xin'an, Bao'an, Shenzhen Guangdong, China

ZHONGHAN SCIENCE & TECH CO. LTD.
Building 9, Section B, JuYuan Industrial Zone, TangWei Village, FuYong Town, BaoAn District.
ShenZhen City, Guangdong, China

Wuxi Zhonghan Technology Co., Ltd.
Block 106-E, Wuxi Nation HI-TECH Industrial Development Zone, Wuxi City, Jiangsu Province, China

ShenZhen HuiLi Electronics Co., LTD.
Block C, Building 4,6,7,8,9,10,11, County 73, Xin'an, Bao'an, (Block A, Building 3, No. 5185, Yee Yuan Rd.,
County 74, Bao'an), Shenzhen Guangdong, China

Ratings and principal characteristics

Output:

- 1) 19Vdc, 5.27A Max.;
- 2) 100W Max.: 12Vdc, 8.4A Max.; or
150W Max.: 12Vdc, 12.5A Max., 12Vdc. 0.5A Max. (Fan Driver);
- 3) 100W Max.: 24Vdc, 4.16A Max.; or
150W Max.: 24Vdc, 6.25A Max., 12Vdc. 0.5A Max. (Fan driver)
- 4) 100W Max.: 54Vdc, 1.85A Max.; or
150W Max.: 54Vdc, 2.77A Max., 12Vdc. 0.5A Max. (Fan driver)

Additional information (if necessary)



Date: 2018-01-05

Signature: William Meng