IEI Integration Corp.
威強電工業電腦

SPECIFICATION FOR APPROVAL

零 件 承 認 書

IEI Part Number : **(威強電料號)**	63040-010060-110-RS
IEI Description : **(威強電料號描述)**	CEC,ADAPTER,L3PIN,C14,WO/PFC ,POWEW DIN 4PIN WITH LOCK ,1500mm
Manufacturer : **(製造商)**	FSP TECHNOLOGY CORP.
Manufacturer Model Name : **(製造商型號)**	FSP060-DIBAN2
Manufacturer Part Number : **(製造商料號)**	9NA0605307
Manufacturer / Supplier Description : **(製造商/代理商料號描述)**	CEC,ADAPTER,L3PIN,C14,WO/PFC , POWEW DIN 4PIN WITH LOCK ,1500mm
RoHS or Halogen Free : (符合 RoHS 或無鹵)	RoHS

Manufacturer/Supplier contact window & stamped
(製造商/代理商窗口資訊及用印)

全漢企業股份有限公司
桃園縣
統一發票專用章
統一編號
84239055
TEL:03-3759888
負責人:王宗燁
桃園市大林里建國東路22號

KevinLiu

e-mail: kevinliu@fsp-group.com.tw
Tel: 03-375-9888#1238

2015/02/26 VER:002

Enclosure List (附件清單)

One .Component approving sheet (零件承認書) **Y N**

1.English file name……..…… ■ □
(英文檔名)

2. Component Spec……..……. ■ □
(零件規格)

3. Component Packing…….…….…….. □ ■
(零件包裝)

4. Component Dimension…….…….. ■ □
(零件尺寸)

5. Component material approving…… ■ □
(零件材料承認)

6. Safety certificate of plastic material or component……. ■ □
(塑膠材質安規或零件安規)

7. Quality assurance after the delivered……..…… 18M
(零件出廠保存期限，**指出貨到我司,未上線並存放於倉庫,不影響零件功能的時間**) _____

Two .Component RoHS test report in one year (零件一年內 RoHS 檢測報告)

1. The third party test report...ex. SGS TEST REPORT…….……..……. □ ■
(第 3 公正單位測試報告...例如: SGS,ICT)
2. If there's no test report, please add the announcement at the attachment ….. ■ □
(無第 3 公正單位測試報告,提供自我宣告書)
3. The better is to add the MSDS at the attachment…….. □ ■
(各原材料 MSDS)

Three. Item Attributes(零件特性)

1. Operating Temperature(Max.)……...…….__40° C _____
(最高使用溫度)
2. Operating Temperature(Min.)……..._ 0° C _____
(最低使用溫度)
3. Storage Temperature(Max.)……..……...____70° C ____
(最高儲存溫度)
4. Storage Temperature(Min.)……..……__-20° C _____
(最低儲存溫度)
5. Meeting **IPC/JEDEC J-STD-20 MSL Classifications**……._ _N/A_____
(符合 IPC/JEDEC J-STD-20 MSL Classifications 等級)

6. If not meeting Item5,that can meet____N/A_____(standard) and attached documents for certifying.
(如不符合上述第 5 項,可符合_____N/A_____標準，並提供相關資料說明)

2015/02/26 VER:002

台灣桃園市建國東路22號 統一編號：84239055
No. 22, Jianguo East Road., Taoyuan City, Taiwan, R.O.C.
TEL:+886-3-375-9888 Website：www.FSP-group.com
FAX:+886-3-375-6966 Email：sales@fsp-group.com.tw

MODEL: FSP060-DIBAN2/9NA0605307

Revision History

Rev.	Description	Date
0	APPROVE SHEET	2014/11/17
1	UPDATE LABEL-大標增加 PSE,KC,PSB,NR can,RCM,CU,BSMI 安規 Logo	2015/5/26

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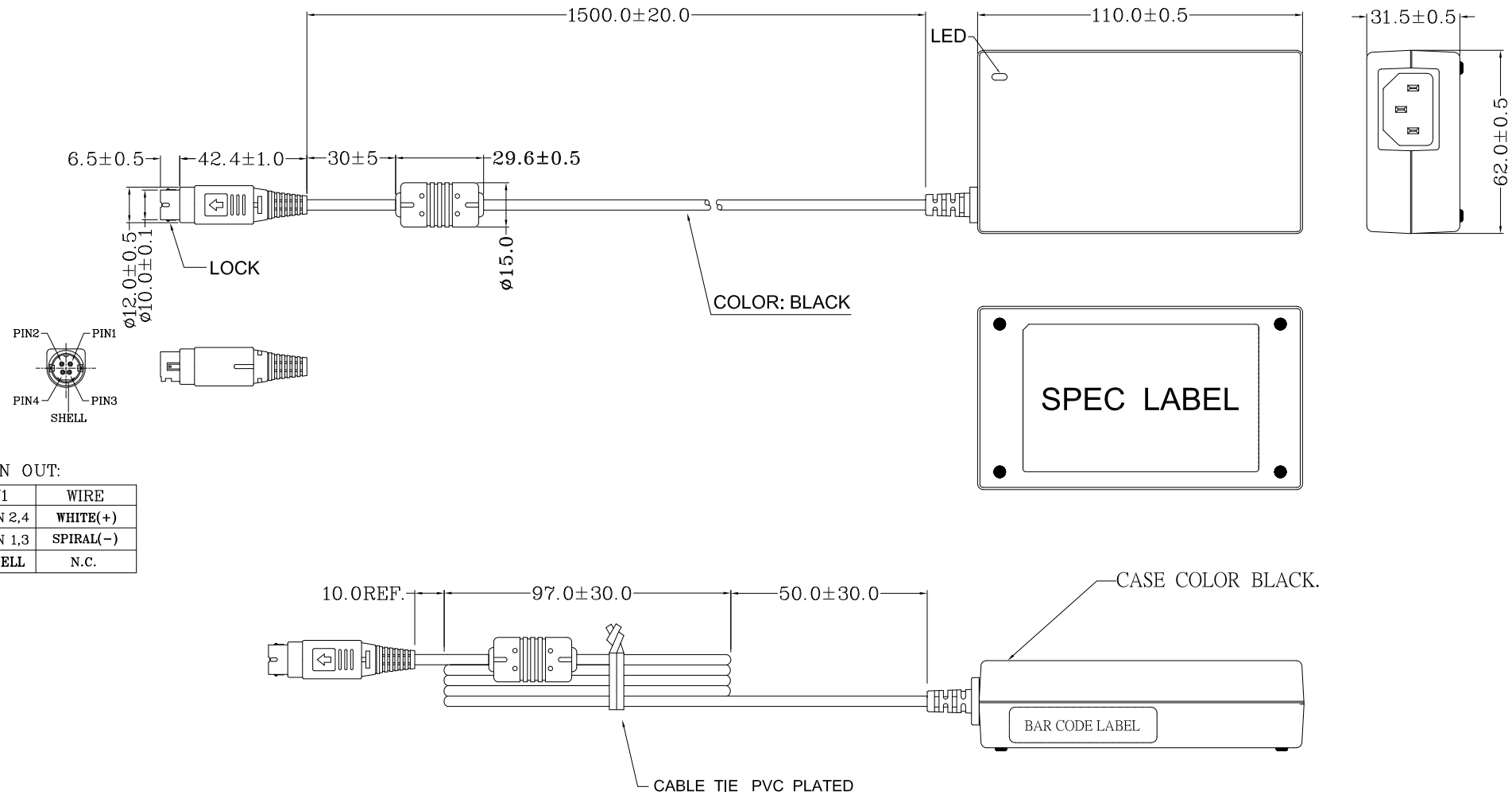
FSP GROUP FSP TECHNOLOGY INC.

△業務要求需有LED



PIN OUT:

J1	WIRE
PIN 2,4	WHITE(+)
PIN 1,3	SPIRAL(-)
SHELL	N.C.

P/N.:9NA0605307

NOTE :
1. PLUG為 4PIN POWER DIN ASSEMBLY TYPE 4粗
未標註之公差值為±0.5
UNIT:mm

MODEL NO.: G.P, FSP060-DIBAN2(I22002)		TITLE: ASSY	SHEET: 1 OF 1	REV:01
R&D(5)	PE	DRAWN	DATE	
Benson	Victoryu	ANGELH	SEP.25.2014	
INTERIOR COUNTERSIGN:			C5 Kevin	

Mechanical Drawing(外觀/機構圖)

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SPECIFICATION

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FSP GROUP
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ESD13058745

FSP060-DIBAN2

Released Date:2014/08/26-14:59:28

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SPECIFICATION

MODEL NO: FSP060-DIBAN2

P/N：9NA0605300

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TEL:+886-3-375-9888 Website：www.FSP-group.com
FAX:+886-3-375-6966 Email：sales@fsp-group.com.tw

Efficiency Testing Criteria

The Product Meet	Regulation	Output Power	Average Efficiency in Active Mode	Maximum Power in No Load	Total Harmonic Distortion
	DOE LEVEL VI	≧50W	≧88%	≦0.21W	THD,V <2%
	ErP Lot 7	≧50W	≧87%	≦0.3W	THD,V <2%

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Electrical Specification Revision History:

Rev	Description	Date
1.0	SPEC ISSUE	SEP,13,13”
2.0	CHANGE 4.1	NOV,18,13”
3.0	CHANGE 4.1	DEC,17,13”
4.0	CHANGE 4.7;5.1;6.1	MAR,28,14”

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1.0 GENERAL DESCRIPTION AND SCOPE

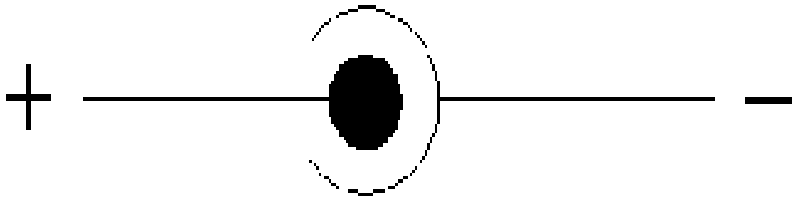
This is the specification of Model FSP060-DIBAN2 part no. 9NA0605300-DC adapter switching power supply designed and manufactured by FSP GROUP, INC. located in Taiwan, Republic of China

The specification below is intended to describe as detailedly as possible the functions and performance of the subject power supply. Any comment or additional requirements to this specification from our customers will be highly appreciated and treated as a new target for us to approach

2.0 CONNECTOR PIN DESIGNATIONS

The pin designations and color codes are defined as follows:

OUTPUT POLARITY OF DC PLUG



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3.0 INPUT CHARACTERISTICS

3.1 input voltage & frequency

The range of input voltage is from 90vac to 264vac with a single phase

	Minimum	**Nom**	**Maximum**
Input voltage	**90vac**	**115vac/230vac**	**264vac**
Input frequency	**47hz**	**60hz / 50hz**	**63hz**

3.2 input AC current

1.5A max @ 90vac input & full load

3.3 Irush current (cold start)

(cold start-25deg.C) DC full loading

No damage occur and the input fuse shall not blow up

3.4 Average Effciency

DOE Efficiency Regulations LEVEL6

ALL measurements to be taken after DUT has operated at 100% load for at least 30 minutes

Percentage of Nameplate Output Current	
Load Condition 1	100% +/-2%
Load Condition 2	75% +/-2%
Load Condition 3	50% +/-2%
Load Condition 4	25% +/-2%

115Vac @ 60Hz	Average Efficiency(for four Load): 88 minimum
230Vac @ **50Hz**	Average Efficiency(for four Load): 88 minimum

3.5 No load input power dissipation

SPECIFICATION : Input power 0.21W(MAX)

DITION : At 230Vac input voltage with no load .

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4.0 OUTPUT CHARACTERISTICS

4.1 OUTPUT RATING

Output	Nominal	Regulation	Ripple/Noise	Min	Max
1	+12.0V	11.4V~12.6V	120mvp-p	0A	5A

Ripple & noise: tested by a oscilloscope using 20mhz bandwidth and the output is paralleled a 0.1uf ceramic capacitor and a 10uf electrolysis capacitor (under the input voltage 100 ~ 240 VAC)

4.2 LINE/ LOAD Regulation

output rating	**Load condition**		**Line regulation**	**Load regulation**	**Remark**
	Min load	**Max load**			
+12.0v	**0A**	**5.0A**	**± 1 %**	**± 5 %**	

4.3 Turn – on delay time

3s max @ 90vac input & full load

4.4 Hold time

8mS minimum. Tested 115 Vac input and max load at output

20mS minimum. Tested 230 Vac input and max load at output

4.5 RISE TIME

40ms max @ full load

4.6 OVERSHOOT

The output overshoot at turn-on shall not exceed 10% of normal voltage value with or without the load connected

4.7 DYNAMIC LOAD REGULATION

Output voltage within 11.4 – 12.6V, for load step 10% to 50% and 50% to 90% load on the output. S/R=0.05A/uS, 100Hz & 1KHz 50% duty.

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5.0 Protection Requirements

5.1 OVER-CURRENT PROTECTION

OCP point limited 200% of max load and Shut down & Auto recovery

5.2 OVER-VOLTAGE PROTECTION

Output Voltage	Upper trip limit	Remark
11.4Vdc ~ 12.6Vdc	13Vdc ~ 20Vdc	Only internal test

5.3 SHORT CIRCUIT PROTECTION

Output can be shorted without damage, and auto recovery

5.4 UNDER VOLTAGE PROTECTION

UVP	80vac(max)

6.0 . *ENVIRONMENTAL REQUIREMENTS*

The power supply will be compliant with each item in this specification for the following environmental conditions

6.1 TEMPERATURE RANGE

Operating	0 to + 40 deg.C
Storage	-20 to +70 deg.C

6.2 HUMIDITY

Operating	10% –90% RH, Non-condensing
Storage	10% –90% RH, Non-condensing

6.3 VIBRATION

The subject power supplies will withstand the following imposed conditions without experiencing non-recoverable failure or deviation from specified output characteristics.

Vibration Storage – Sine wave excited, 1.0 G maximum acceleration, 10-500 Hz, swept at one octave / min. Fifteen minute dwell at all resonant points, where resonance is defined as those

exciting frequencies at which the device under test experiences excursions two times large than non-resonant excursions.

Plane of vibration to be along three mutually perpendicular axes

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6.4 SHOCK

The subject power supplies will withstand the following imposed conditions without experiencing non-recoverable failure or deviation from specified output characteristics.

Storage All 6 sides;40G, 6 mSec. Half-sine wave pulse in both directions on three mutually perpendicular axes.

Operating All sides except top;10G, 6 mSec. Half-sine wave pulse in both directions on three mutually perpendicular axes.

6.5 PACKAGE DROP

Turn off system.

Follow MIL-STD-810D, 0 - 9.1kg 1m, 9.2 - 18.2kg 90cm.

10 drops: 1 corner, 3 adjacent edges of corner, 6 faces.

At random, repeat the above process 1 more time.

Note: Check for mechanical damage and functional failures

7.0 *RELIABILITY*

7.1 BURN-IN

THE POWER SUPPLY shall be burned-in at least 4 hours at 35℃± 5℃ under full load cond ition

7.2 MTBF

The subject adapter have a minimum predicted MTBF of 100000 hours of continuous operation at 25℃, maximum-output load, and nominal AC input voltage

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8.0 EMI/EMS STANDARDS

8.1 EMI Standards

EN 55022：1998 + A1：2000 +A2：2003 CLASS B

CISPR22：2003 CLASS B

AS/NZS CISPR22：2004 CLASS B

EN61000-3-3 Voltage fluctuations& ficker

EN61000-4-2 (ESD TEST)

After applied +/-4kv contact discharge and Adapter is no function error.

After applied +/-8kv air discharge Adapter is no function error.

EN61000-4-4 Electrical fast transient (EFT)

Test Sequence	Peak Voltage	Frequency	Port	Coupling Mode Mains only	Number of Bursts
Class 2	1.0kV	5kHz	Mains or Clamp	L1, L2, and PE in sequence	200 (1 minute) per polarity and coupling mode

EN61000-4-5 EC1000-4-5 LEVEL 2 (SURGE stest)：

Differential mode : 1kv.

Common mode : 2kv.

8.2 LEAKAGE CURRENT

At 264 Vac 60Hz, 0.25mA max.

8.3 INSULATION RESISTANCE

20MΩ min @ primary to secondary add a 500vdc test voltage

8.4 Dielectric strength (hi pot)

Primary to secondary ：2545vdc / 10mA / 60seconds (3seconds for production)

or

Primary to secondary ：1800vac / 10mA / 60seconds (3seconds for production)

8.5 ALTITUDE

The power supply must operate to a maximum altitude of 5000M above sea level

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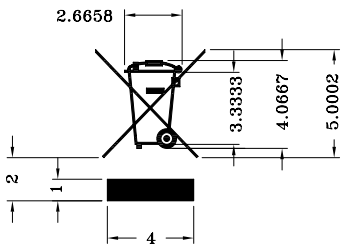
全漢企業股份有限公司
FSP GROUP FSP TECHNOLGY INC.

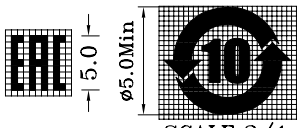
工作要點:

1.材質:75#PET + MYLAR COATING(半霧面25#PET)，背膠:"#" TYPE ADHESIVE。
2.背膠必須耐溫100˚C,不會產生氣泡或翹起。
3.底材+COATING厚度為0.15mm±0.03。
4.黑底白字。
5.請將LOGO按適當比例印刷於LOGO區。
6.印刷必須清晰不得有斷線;模糊不清等不良現象。
7.印刷字體大小;位置;內容詳見Drawing
8.材質須符合"SPI環境管制物質技術標准(SGP-0401)"
9.請勿任意修改圖面的文字字體大小;位置;安規符號
10.LABEL MUST BE UL RECOGNIZED: PGDQ2 OR PGJI2 AND CSA CERTIFIED.
THE PLASTIC MATERIAL OF APPLICATION SURFACE FOR THIS LABEL IS PC.

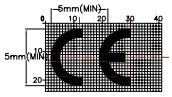


WEEE尺寸皆為+1/-0mm！

2 安規要求增加法文警語,
業務要求增加AS,BSMI,CU,PSB,PSE,KC,NRCan

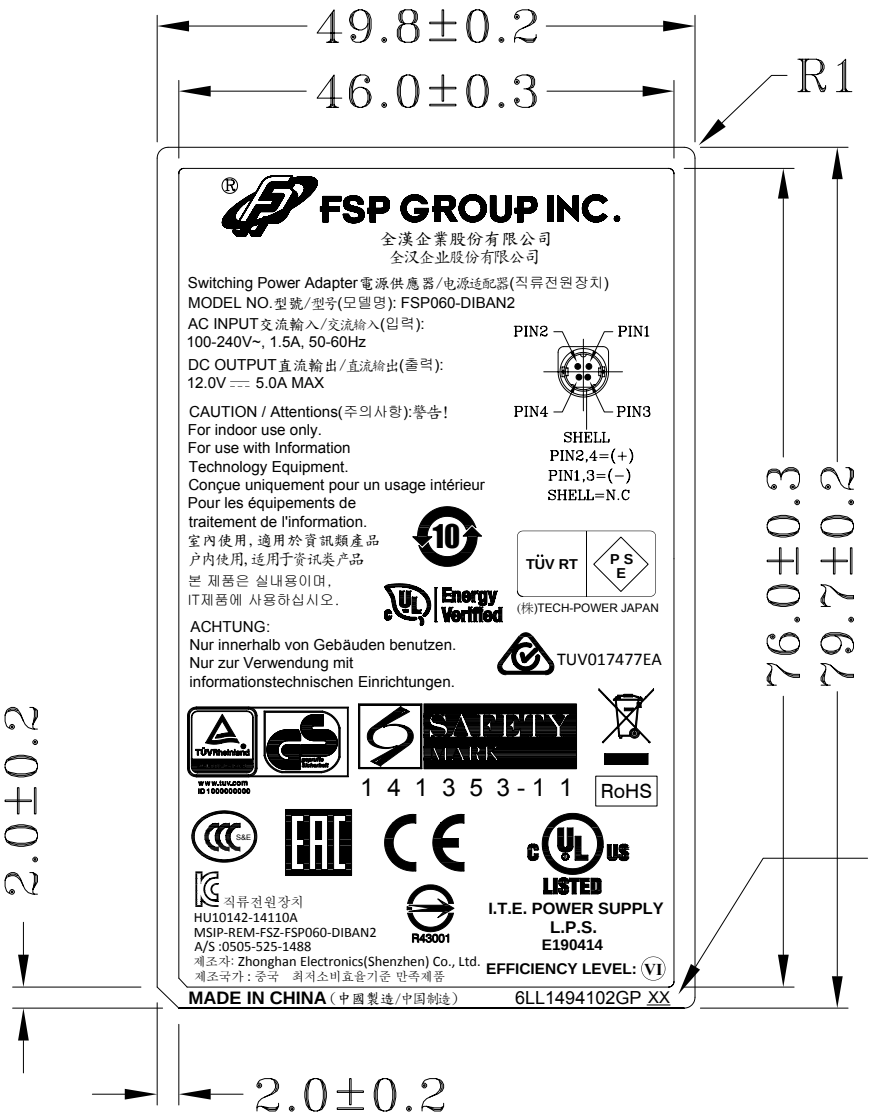


SCALE:2/1
此MARK不得小於5*5mm



CCC顏色:白色
3C(申請5k)

新加坡 PSB mack
2013.07.24實驗室告知最小尺寸為6*1.6mm



LABEL廠商代碼:
- CG: 晨光
- YL: 永利
- FJ: 富佳
- JL: 嘉林
- MM: 美美
- FJ−1:宏陽

UNIT:mm

P/N.:6LL1494102GP

MODEL NO. : G.P, FSP060−DIBAN2(I22002)	TITLE: LABEL	SHEET: 1 OF 2	REV:01

R&D(5)	PE	DRAWN	DATE
Benson	Victoryu	ANGELH	APR.27.2015
INTERIOR COUNTERSIGN:			劉穎聰 Kevin

Mechanical Drawing(外觀/機構圖)

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U.S. Department of Energy
Energy Efficiency and Renewable Energy

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Building Technologies Program

Compliance and Certification Management System

Authorization Form for a Third Party Representative to Submit Certification Report(s) – Consumer Products and Commercial and Industrial Equipment

To complete this form:

1. Type in the information for the company official responsible for submitting certification reports.
2. Type in the information for the third party representative – the party who will be using CCMS to submit reports (often the OEM, a trade group, or a test laboratory).
3. Print the form then sign and date.
4. Form submittal method:
   - Scan and Email signed copy to: CCMS.Support@ee.doe.gov

For certification reports prepared and submitted by a third party organization under the provisions of §429.12(g), the company official who authorized said third party representation is:

Company: SySTIUM® Technologies, LLC
Name:
Title:
Address: 4301 Quebec Ave N - Unit 1 ,New Hope, MN 55428-4912 , U.S.A
Email Address:
Telephone Number: +1 763-537-3600
Facsimile Number: +1 763-537-3625

I authorize the following Third Party Organization to submit reports on behalf of the Company identified above:

Third Party Organization: FSP TECHNOLOGY INC.
Address: No.22, Jianguo East Road,Taoyuan City , Taiwan 330 , R.O.C.
Email Address: mike@fsp-group.com.tw
Telephone Number: +886-3-3759888#1762
Facsimile Number: +886-3-3756966

Pursuant to 10 CFR § 429.12, you must complete the following compliance statement.

I certify that:

1. All certification reports submitted to DOE via CCMS by the third party organization identified above are submitted in accordance with 10 CFR Parts 429, 430, and 431 and the Energy Policy and Conservation Act, as amended.
2. The basic models listed in all certification reports submitted to DOE via CCMS by the third party organization identified above comply with the applicable conservation standard(s);

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3. All required testing has been conducted in conformance with the applicable test requirements prescribed in parts 429, 430 and 431, as appropriate, or in accordance with the terms of an applicable test procedure waiver;
4. All information reported in all certification report submitted to DOE via CCMS by the third party organization identified above is true, accurate, and complete;
5. I am aware of the penalties associated with violations of (1) the Energy Policy and Conservation Act (Pub. L. 94-163), as amended by Pub. L. 95-619, Pub. L. 100-12, Pub. L. 100-357, and Pub. L. 102-486 (the Act) and the regulations thereunder, and (2) 18 U.S.C. 1001, which prohibits knowingly making false statements to the Federal Government; and.
6. I understand that I am responsible for all information in the certifications report(s) submitted to DOE via CCMS by the third party organization identified above.

Signature: Fred L Rosendahl Date: 6-13-2013
Title: CEO
Company: SySTIUM® Technologies, LLC
Covered Product(s) and Equipment: External Power Supply

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EPS BASIC MODEL CERTIFICATION REPORT

EPS BASIC MODEL CERTIFICATION REPORT

Basic Model: FSP060-DIBAN2

Manufacturer: FSP GROUP INC.

Private Labeler (if applicable): _____

Name: MIKE LIN

Title: SAFETY MANAGER

Address: No. 22, Jianguo East Road, Taoyuan City 330, Taiwan

Telephone Number: +886-3-3759888

Facsimile Number: +886-3-3756966

Date: 2014/07/31

For Existing, New, or Modified Basic Models:

Provide specific product information for each basic model, including the manufacturer's model numbers and the test results. The information required in Sec. 430.62(a)(4)(i) through (a)(4)(xvii) is included in the data fields below:

Manufacturer's Model Number: FSP060-DIBAN2

Average Active-Mode Efficiency (%): 88.57

No-Load Mode Power Consumption (W): 0.06

Nameplate Output Power (W): 60W

Nameplate Output Current (if missing from nameplate) (A): 5A

For Discontinued Models:

Provide manufacturer's model number(s):

_____

_____

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適合証明書
Certificate of Conformity

TÜVRheinland®

証明書番号 Certificate No.	ページ Page	
JD 50218845	1	
申請者照会番号 Applicant Reference	検査機関照会番号 Our Reference	発行年月日 Date of Issue
NIT-113151599	ZTW1-FS-11026969 001	2011 年 12 月 13 日

申請者 Applicant

ZhongHan Electronics (ShenZhen) Co., Ltd.

JuYuan Industrial Zone TangWei Village, FuYong Town
BaoAn District, ShenZhen City 518103 P.R. China

製造工場 Factory

ZhongHan Electronics (ShenZhen) Co., Ltd.

JuYuan Industrial Zone TangWei Village, FuYong Town
BaoAn District, ShenZhen City 518103 P.R. China

TÜV RT | PSE

検査の方法 Inspection Method

・技術基準 省令第２項：J60950-1(H22), J55022(H22), J3000(H21)
Technical Requirements Clause 2: J60950-1 (H22): 2010, J55022 (H22): 2010, J3000 (H21): 2009

・施行規則別表第四（交流用電気機械器具）
Appendix 4 of the Enforcement Regulations (AC Electric Appliances)

特定電気用品名
Name of Specified Electrical Appliance and Material
: 直流電源装置
DC Power Supply Unit

型式の区分
Type Classification
: （「添付 1.0」参照）
(Refer to "Attachment 1.0")

海外製造事業者
Overseas Manufacturer
: **ZhongHan Electronics (ShenZhen) Co., Ltd.**
JuYuan Industrial Zone TangWei Village, FuYong Town BaoAn District, ShenZhen City 518103 P.R. China

客先名
Client
: **FSP Technology Inc.**
No.22, Jianguo E. Road Taoyuan 330, Taiwan

証明書の有効期間
Validity of Certificate
: 本証明書は、施行令で規定された期間である 2016 年 12 月 12 日まで有効です。
This certificate is effective until 12 December, 2016, being the period stipulated by the Enforcement Ordinance.

これは、上記申請者より申請のあった上記特定電気用品及び製造工場が、電気用品安全法第八条第一項に規定する技術基準及び同法第九条第二項の経済産業省令で定める基準に適合していることを証明するものです。
This is to certify that the above-mentioned Specified Electrical Appliances and Materials and the factory which the above-mentioned applicant applied for have been complied with the Technical Requirements stipulated by Article 8, Paragraph 1 of the Electrical Appliance and Material Safety Law and the requirements stipulated by the METI Ordinance specified in Article 9, Paragraph 2 of the said law.

テュフ　ラインランド　台湾リミテッド
TÜV Rheinland Taiwan Ltd.

１１階、７５８、パートウロード、セクション４、ショウサン区、台北１０５、台湾
11F, No. 758, Bade Rd., Sec. 4, Songshan Dist., Taipei 105, Taiwan, R.O.C.

発行者 Issued by

氏名 Name　Dipl.-Ing. F. Stoelzel
フリードリット　シュトルツェル

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添付 Attachment：1.0　　発行日 Date of Issue：2011 年 12 月 13 日

【型式の区分 Type Classification】

型式区分管理 No: (Type Classification Control No:) ： CL-01

証明書番号 (Certificate No.) ： JD 50218845

特定電気用品名 (Name of Specified Electrical Appliance and Material) ： 直流電源装置 DC Power Supply Unit

申請者 (Applicant) ： ZhongHan Electronics (ShenZhen) Co., Ltd.

海外製造事業者 (Overseas Manufacturer/factory) ： ZhongHan Electronics (ShenZhen) Co., Ltd.

客先名 (client) ： FSP Technology Inc.

要素 Factor	区分 Classification
定格入力電圧 (Rated input voltage)	125V 以下のもの 及び 125V を超えるもの (125V or less, and exceeding 125V)
入力側の定格容量 (Rated capacity on input side)	100VA を超え 200VA 以下のもの (Exceeding 100VA, and less than or equal to 200VA)
定格周波数（変圧器を有するものの場合に限る。） (Rated frequency (limited to those with transformer)	50Hz のもの 及び 60Hz のもの (50Hz, and 60Hz)
交流用端子 (AC terminal)	ないもの (Without AC terminal)
直流定格電圧 (Rated DC voltage)	15V 以下のもの (15V or less)
変圧器 (Transformer)	あるもの (With transformer)
変圧器の巻線の絶縁の種類 (Transformer winding insulation class)	B 種のもの (Class B)
直流電圧の調整装置 (DC voltage adjusting mechanism)	ないもの (Without adjusting mechanism)
回路の保護機構 (Circuit protection device)	あるもの (With circuit protection device)
器体スイッチ (Body switch)	ないもの (Without body switch)
外郭の材料 (Outer case material)	合成樹脂のもの (Plastic)
用途 (Application)	その他のもの (Others)
電源電線と器体との接続の方式 (Method of attaching power supply cord)	接続器利用のもの (Coupling device)
二重絶縁 (Double insulation)	施してないもの (Without double insulation)

テュフ　ラインランド　台湾リミテッド
TÜV Rheinland Taiwan Ltd.

１１階、７５８、パートウロード、セクション４、ショウサン区、台北１０５、台湾
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発行者 Issued by

氏名 Name　Dipl.-Ing. F. Stoelzel

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【型式の区分 Type Classification】

型式区分管理 No: (Type Classification Control No:)　：　CL-02

証明書番号 (Certificate No.)　：　JD 50218845

特定電気用品名 (Name of Specified Electrical Appliance and Material)　：　直流電源装置 DC Power Supply Unit

申請者 (Applicant)　：　ZhongHan Electronics (ShenZhen) Co., Ltd.

海外製造事業者 (Overseas Manufacturer/factory)　：　ZhongHan Electronics (ShenZhen) Co., Ltd.

客先名 (client)　：　FSP Technology Inc.

要素 Factor	区分 Classification
定格入力電圧 (Rated input voltage)	125V 以下のもの 及び 125V を超えるもの (125V or less, and exceeding 125V)
入力側の定格容量 (Rated capacity on input side)	100VA を超え 200VA 以下のもの (Exceeding 100VA, and less than or equal to 200VA)
定格周波数（変圧器を有するものの場合に限る。） (Rated frequency (limited to those with transformer)	50Hz のもの 及び 60Hz のもの (50Hz, and 60Hz)
交流用端子 (AC terminal)	ないもの (Without AC terminal)
直流定格電圧 (Rated DC voltage)	15V 以下のもの (15V or less)
変圧器 (Transformer)	あるもの (With transformer)
変圧器の巻線の絶縁の種類 (Transformer winding insulation class)	B 種のもの (Class B)
直流電圧の調整装置 (DC voltage adjusting mechanism)	ないもの (Without adjusting mechanism)
回路の保護機構 (Circuit protection device)	あるもの (With circuit protection device)
器体スイッチ (Body switch)	ないもの (Without body switch)
外郭の材料 (Outer case material)	合成樹脂のもの (Plastic)
用途 (Application)	電池充電用のもの 及び その他のもの (For battery charging, and Others)
電源電線と器体との接続の方式 (Method of attaching power supply cord)	接続器利用のもの (Coupling device)
二重絶縁 (Double insulation)	施してないもの (Without double insulation)

テュフ　ラインランド　台湾リミテッド
TÜV Rheinland Taiwan Ltd.

１１階、７５８、パートウロード、セクション４、ショウサン区、台北１０５、台湾
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発行者 Issued by

氏名 Name　Dipl.-Ing. F. Steelzel
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TÜV Rheinland Taiwan Ltd. Certification Body

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IEC IECEE CB SCHEME

Ref. Certif. No.

JPTUV-054573-A1

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

SYSTEME CEI D'ACCEPTATION MUTUELLE DE CERTIFICATS D ESSAIS DES EQUIPEMENTS ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE

CERTIFICAT D'ESSAI OC

Product Produit	Switching Power Adapter
Name and address of the applicant Nom et adresse du demandeur	FSP Group Inc. No. 22, Jianguo E. Road Taoyuan 330 Taiwan
Name and address of the manufacturer Nom et adresse du fabricant	FSP Group Inc. No. 22, Jianguo E. Road Taoyuan 330 Taiwan
Name and address of the factory Nom et adresse de l'usine	See additional page(s)
Ratings and principal characteristics Valeurs nominales et charactéristiques principales	Input : AC 100-240V, 50-60Hz, 1.5A; Class I Output: 1) DC 12V; 4.16A MAX(50W MAX), 2) DC 12V; 5.0A MAX
Trademark (if any) Marque de fabrique (si elle existe)	FSP
Type of Manufacturer's Testing Laboratories used Type de programme du laboratoire d'essais constructeur	TMP
Model / Type Ref. Ref. de type	1) FSP050-DIBAN2 2) FSP060-DIBAN2
Additional information (if necessary may also be reported on page 2) Les informations complémentaires (si nécessaire, peuvent être indiqués sur la 2ème page)	For model differences, refer to the test report. Re-issue of JPTUV-054573 dated 27.12.2013, due to non-technical change.
A sample of the product was tested and found to be in conformity with Un échantillon de ce produit a été essayé et a été considéré conforme à la	IEC 60950-1:2005+A1+A2 National differences see test report
As shown in the Test Report Ref. No. which forms part of this Certificate Comme indiqué dans le Rapport d'essais numéro de référence qui constitue partie de ce Certificat	11035366 002

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de Certification

TÜVRheinland®

TÜV Rheinland Japan Ltd.
Global Technology Assessment Center
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Fax + 81 45 914-3354
Mail: info@jpn.tuv.com
Web: www.tuv.com

Date: 05.03.2014

Signature: Dipl.-Ing. F. Stoelzel

10/061 CB 05.12

IEC IECEE CB SCHEME

Ref. Certif. No.

JPTUV-054573-A1

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

2. Zhonghan Electronics (Shenzhen)
Co., Ltd.
Building 2,3,4,10,
JuYuan Industrial Zone,
TangWei Village, FuYong Town, BaoAn District, ShenZhen City, P.R. China

3. Wuxi SPI Technology Co., Ltd.
No. 96, XinmeiRoad,
New District, Wuxi city, Jiangsu
P.R. China

4. ZHONGHAN SCIENCE &TECH CO.LTD
BLD5, JuYuan Industrial
TangWei Village, FuYong Town
BaoAn, District. ShenZhen City
P.R. China

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

Report Ref. No.: 11035366 002

Additional information (if necessary)
Information complémentaire (si nécessaire)

Date: 05.03.2014

Signature: Dipl.-Ing. F. Stoelzel

10/061a 8.06

IEC IECEE CB SCHEME

Ref. Certif. No.

JPTUV-054573

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

SYSTEME CEI D'ACCEPTATION MUTUELLE DE CERTIFICATS D ESSAIS DES EQUIPEMENTS ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE

CERTIFICAT D'ESSAI OC

Product Produit	Switching Power Adapter
Name and address of the applicant Nom et adresse du demandeur	FSP Group Inc. No. 22, Jianguo E. Road Taoyuan 330 Taiwan
Name and address of the manufacturer Nom et adresse du fabricant	FSP Group Inc. No. 22, Jianguo E. Road Taoyuan 330 Taiwan
Name and address of the factory Nom et adresse de l'usine	See additional page(s)
Ratings and principal characteristics Valeurs nominales et charactéristiques principales	Input : AC 100-240V, 50-60Hz, 1.5A; Class I Output: 1) DC 12V; 4.16A MAX(50W MAX), 2) DC 12V; 5.0A MAX
Trademark (if any) Marque de fabrique (si elle existe)	FSP
Type of Manufacturer's Testing Laboratories used Type de programme du laboratoire d'essais constructeur	TMP
Model / Type Ref. Ref. de type	1) FSP050-DIBAN2 2) FSP060-DIBAN2
Additional information (if necessary may also be reported on page 2) Les informations complémentaires (si nécessaire, peuvent être indiqués sur la 2eme page)	For model differences, refer to the test report.
A sample of the product was tested and found to be in conformity with Un échantillon de ce produit a été essayé et a été considéré conforme à la	IEC 60950-1:2005+A1+A2 National differences see test report
As shown in the Test Report Ref. No. which forms part of this Certificate Comme indiqué dans le Rapport d'essais numéro de référence qui constitue partie de ce Certificat	11035366 001

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de Certification

TÜVRheinland®

TÜV Rheinland Japan Ltd.
Global Technology Assessment Center
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Phone + 81 45 914-3888
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Mail: info@jpn.tuv.com
Web: www.tuv.com

Date: 27.12.2013

Signature: Best C.C. Chen

10/061 CB 05.12

IEC IECEE CB SCHEME

Ref. Certif. No.

JPTUV-054573

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

2. Zhonghan Electronics (Shenzhen)
   Co., Ltd.
   Building 2,3,4,10,
   JuYuan Industrial Zone,
   TangWei Village, FuYong Town, BaoAn District, ShenZhen City, P.R. China

3. Wuxi SPI Technology Co., Ltd.
   No. 96, XinmeiRoad,
   New District, Wuxi city, Jiangsu
   P.R. China

4. ZHONGHAN SCIENCE &TECH CO.LTD
   BLD5, JuYuan Industrial
   TangWei Village, FuYong Town
   BaoAn, District. ShenZhen City
   P.R. China

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

Additional information (if necessary)
Information complémentaire (si nécessaire)

Report Ref. No.: 11035366 001

Date: 27.12.2013

Signature: Best C.C. Chen

10/061a 8.06

Zertifikat *Certificate*

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0001

Ihr Zeichen *Client Reference*	**Unser Zeichen** *Our Reference*	**Längstens gültig bis**	*Latest expiration date (day/mo/yr)*
KY SFA13062896	ZTW1-CCO- 10044870 001	30.12.2013	

Genehmigungsinhaber *License Holder*
FSP Group Inc.
No. 22, Jianguo E. Road
Taoyuan 330
Taiwan

Fertigungsstätte *Manufacturing Plant*
Zhonghan Electronics (Shenzhen)
Co., Ltd.
Building 2,3,4,10,
JuYuan Industrial Zone,
TangWei Village, FuYong Town,
BaoAn District, ShenZhen City
P.R. China

Prüfzeichen *Test Mark*

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GS geprüfte Sicherheit

Geprüft nach *Tested acc. to*
EN 60950-1:2006+A11+A1+A12+A2
ZEK 01.4-08/11.11

Zertifiziertes Produkt (Geräteidentifikation) — **Lizenzentgelte - Einheit**
Certified Product *(Product Identification)* — *License Fee - Unit*

Schaltnetzteil (Switching Power Adapter)

Bezeichnung (Type Designation)	: FSP060-DIBAN2(FSP)	8
Nennspannung (Rated Voltage)	: AC 100-240V, 50-60Hz	
Nennstrom (Rated Current)	: 1.5A	
Ausgang (Output)	: DC 12V, 5.0A MAX	
max. Umgebungstemperatur (max. Ambient Temperature)	: 40°C	
max. Betriebshöhe (max. Operating Altitude)	: 5000m	
Schutzklasse (Protection Class)	: I	

Hinweis: Dieses Netzgerät ist geprüft und erfüllt die Anforderungen nach Abschnitt 2.5 als Stromquelle mit begrenzter Leistung. (Remarks: The equipment is also tested and complies with sub-clause 2.5 as limited power sources.)

8

ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Produkt und Fertigungsstätte erfüllen § 20 und § 21 des Produktsicherheitsgesetzes.
This certificate is based on our Testing and Certification Regulation.
Product and production fulfill par § 20 and § 21 of the Product Safety Law.

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com
Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety

Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH TÜVRheinland Zertifizierungsstelle

Dipl.-Ing. W. Hsu

Ausstellungsdatum *Date of Issue* : 31.12.2013 **(day/mo/yr)**

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Zertifikat *Certificate*

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0002

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Genehmigungsinhaber *License Holder*
FSP Group Inc.
No. 22, Jianguo E. Road
Taoyuan 330
Taiwan

Fertigungsstätte *Manufacturing Plant*
Zhonghan Electronics (Shenzhen)
Co., Ltd.
Building 2,3,4,10,
JuYuan Industrial Zone,
TangWei Village, FuYong Town,
BaoAn District, ShenZhen City
P.R. China

Prüfzeichen *Test Mark*

TÜVRheinland ZERTIFIZIERT
GS geprüfte Sicherheit
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ID 1000000000

Geprüft nach *Tested acc. to*
EN 60950-1:2006+A11+A1+A12+A2
ZEK 01.4-08/11.11

Zertifiziertes Produkt *Certified Product* **(Geräteidentifikation)** *(Product Identification)* **Lizenzentgelte - Einheit** *License Fee - Unit*

Schaltnetzteil (Switching Power Adapter)

wie Blatt (as page) 01

Ergänzung (Addition)

Bezeichnung : FSP050-DIBAN2(FSP) 1
(Type Designation)

Ausgang : DC 12V, 4.16A MAX
(Output)

Hinweis : Dieses Netzgerät ist geprüft und erfüllt die Anforderungen nach Abschnitt 2.5 als Stromquelle mit begrenzter Leistung. (Remark : The equipment is also tested and complies with sub-clause 2.5 as limited power source.)

1

ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Produkt und Fertigungsstätte erfüllen § 20 und § 21 des Produktsicherheitsgesetzes.
This certificate is based on our Testing and Certification Regulation.
Product and production fulfill par § 20 and § 21 of the Product Safety Law.

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com
Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety

Ausstellungsdatum *Date of Issue* : 31.12.2013 **(day/mo/yr)**

Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH TÜVRheinland Zertifizierungsstelle

Dipl.-Ing. W. Hsu

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Ihr Zeichen *Client Reference*	**Unser Zeichen** *Our Reference*	**Längstens gültig bis**	*Latest expiration date (day/mo/yr)*
KY SFA13062896	ZTW1-CCO- 10044870 001	30.12.2013	

Genehmigungsinhaber *License Holder*
FSP Group Inc.
No. 22, Jianguo E. Road
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Fertigungsstätte *Manufacturing Plant*
Wuxi SPI Technology Co., Ltd.
No. 96, XinmeiRoad,
New District, Wuxi city, Jiangsu
P.R. China

Prüfzeichen *Test Mark*

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Geprüft nach *Tested acc. to*
EN 60950-1:2006+A11+A1+A12+A2
ZEK 01.4-08/11.11

Zertifiziertes Produkt *Certified Product* **(Geräteidentifikation)** *(Product Identification)* **Lizenzentgelte - Einheit** *License Fee - Unit*

Schaltnetzteil (Switching Power Adapter)

wie Blatt (as page) 01

Ergänzung (Addition)

Fertigungsstätte (Factory) : siehe oben (see above)

ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Produkt und Fertigungsstätte erfüllen § 20 und § 21 des Produktsicherheitsgesetzes.
This certificate is based on our Testing and Certification Regulation.
Product and production fulfill par § 20 and § 21 of the Product Safety Law.

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com
Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety

Ausstellungsdatum *Date of Issue* : 31.12.2013 **(day/mo/yr)**

Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH TÜVRheinland Zertifizierungsstelle

Dipl.-Ing. W. Hsu

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Zertifikat *Certificate*

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Ihr Zeichen *Client Reference*	**Unser Zeichen** *Our Reference*	**Längstens gültig bis**	*Latest expiration date* (day/mo/yr)
KY SFA13062896	ZTW1-CCO- 10044870 001	30.12.2013	

Genehmigungsinhaber *License Holder*
FSP Group Inc.
No. 22, Jianguo E. Road
Taoyuan 330
Taiwan

Fertigungsstätte *Manufacturing Plant*
ZHONGHAN SCIENCE &TECH CO.LTD
BLD5, JuYuan Industrial
TangWei Village, FuYong Town
BaoAn, District. ShenZhen City
P.R. China

Prüfzeichen *Test Mark*

TÜVRheinland ZERTIFIZIERT
www.tuv.com
ID 1000000000

GS geprüfte Sicherheit

Geprüft nach *Tested acc. to*
EN 60950-1:2006+A11+A1+A12+A2
ZEK 01.4-08/11.11

Zertifiziertes Produkt **(Geräteidentifikation)** **Lizenzentgelte - Einheit**
Certified Product *(Product Identification)* *License Fee - Unit*

Schaltnetzteil (Switching Power Adapter)

wie Blatt (as page) 01

Ergänzung (Addition)

Fertigungsstätte : siehe oben
(Factory) (see above)

ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Produkt und Fertigungsstätte erfüllen § 20 und § 21 des Produktsicherheitsgesetzes.
This certificate is based on our Testing and Certification Regulation.
Product and production fulfill par § 20 and § 21 of the Product Safety Law.

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com
Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety

Ausstellungsdatum *Date of Issue* : 31.12.2013 **(day/mo/yr)**

Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH TÜVRheinland Zertifizierungsstelle

Dipl.-Ing. W. Hsu

10/020 d 04.08 ® TÜV, TUEV and TÜV are registered trademarks. Utilisation and application requires prior approval.

CERTIFICATE OF COMPLIANCE

Certificate Number 20140102-E190414
Report Reference E190414-A585-UL
Issue Date 2014-JANUARY-02

Issued to: FSP GROUP INC
22 JIANGUO E RD, 22 JIANGUO E RD
330 TAIWAN

This is to certify that representative samples of POWER SUPPLIES, INFORMATION TECHNOLOGY EQUIPMENT INCLUDING ELECTRICAL BUSINESS EQUIPMENT
Switching Power Adapter - (1) FSP060-DIBAN2 , (2) FSP050-DIBAN2

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 60950-1 AND CSA C22.2 No. 60950-1-07, Information Technology Equipment - Safety - Part 1: General Requirements

Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Listing Mark for the US and Canada should be considered as being covered by UL's Listing and Follow-Up Service meeting the appropriate requirements for US and Canada.
The UL Listing Mark for the US and Canada generally includes: the UL in a circle symbol with "C" and "US" identifiers: c UL us the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.

William R. Carney

William R. Carney, Director, North American Certification Programs

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at www.ul.com/contactus

CE

VERIFICATION OF COMPLIANCE

This Verification of Compliance is hereby issued to the below named company. The test results of this report relate only to the tested sample identified in this report.

Technical Standard: EMC DIRECTIVE 2004/108/EC (EN55022 / EN55024)

(Operation Environment: Information Technology Equipment)

General Information

Applicant: FSP Group Inc.
No 22, Jianguo East Road, Taoyuan City,
Taiwan 330, R.O.C.

Product Description

EUT Description: Switching Power Adapter
Model Number: FSP060-DIBAN2; FSP050-DIBAN2

Measurement Standard

EN 55022: 2010
CISPR 22: 2008 (Ed 6.0)
AS/NZS CISPR 22: 2009 with Amdt 1 (2010)
EN 61000-3-2: 2006 + A1: 2009 + A2: 2009
EN 61000-3-3: 2008
EN 55024: 2010
(IEC 61000-4-2: 2008; IEC 61000-4-3: 2006 + A1: 2007 + A2: 2010; IEC 61000-4-4: 2012; IEC 61000-4-5: 2005; IEC 61000-4-6: 2008; IEC 61000-4-8: 2009; IEC 61000-4-11: 2004)

Measurement Facilities

Xindian Lab.: ***Compliance Certification Services Inc.***
No.163-1, Jhongsheng Rd., Xindian Dist., New Taipei City, 23151 Taiwan.
Tel: +886-2-22170894 / Fax: +886-2-22171029

This device has been shown to be in compliance with and was tested in accordance with the measurement procedures specified in the Standards & Specifications listed above and as indicated in the measurement report number: T131213D03-E

Sam Hu

Sam Hu / Assistant Manager
Date: December 20, 2013

程智科技股份有限公司
Compliance Certification Services Inc.

VERIFICATION OF COMPLIANCE

This Verification of Compliance is hereby issued to the below named company. The test results of this report relate only to the tested sample identified in this report.

Technical Standard: FCC Part 15 Class B (DoC)
IC ICES-003 Issue 5

(Operation Environment: For Home And Office Use)

General Information

Applicant: FSP Group Inc.
No 22, Jianguo East Road, Taoyuan City,
Taiwan 330, R.O.C.

Product Description

EUT Description: Switching Power Adapter
Model Number: FSP060-DIBAN2; FSP050-DIBAN2

Measurement Facilities

Xindian Lab.: ***Compliance Certification Services Inc.***
No.163-1, Jhongsheng Rd., Xindian Dist., New Taipei City, 23151 Taiwan.
Tel: +886-2-22170894 / Fax: +886-2-22171029

This device has been shown to be in compliance with and was tested in accordance with the measurement procedures specified in the Standards & Specifications listed above and as indicated in the measurement report number: T131213D03-D

Sam Hu

Sam Hu / Assistant Manager
Date: December 20, 2013

程智科技股份有限公司
Compliance Certification Services Inc.

FSP GROUP INC.

No. 22, Jianguo E. Rd., Taoyuan City, Taiwan, R.O.C .
TEL: +886 3 375 9888 FAX: +886 3 375 6966

CE Declaration of Conformity

Manufacturer:

Name: FSP Group Inc.
Address: No. 22, Jianguo E. Rd., Taoyuan City, Taiwan, R.O.C.

Declares that :

Product Name: Switching Power Adapter

Model Number: FSP050-DIBAN2, FSP060-DIBAN2

Complies with the following:

Standards	Directives
IEC 60950-1:2005+A1+A2 EN 60950-1: 2006+A11+A1+A12+A2	2006/95/EC(Low Voltage Directive)
EN 55022:2010 EN 55024:2010 IEC 61000-3-2:2005+ A1+A2 EN 61000-3-2:2006+ A1+A2 IEC 61000-3-3:2008 EN 61000-3-3:2008	2004/108/EC(EMC Directive)
(EC) No 278/2009 EN50563:2011	Commission Regulation 2009/125/EC (ErP Directive)
EN 50581: 2012	2011/65/EU: The use of certain hazardous substances in electrical and electronic equipment Directive 2011/65/EU (Recasts and supersedes 2002/95/EC)

Signature: Allen Cheng Date: 01. 29. 2014
Print Name: Allen Cheng Place: Taoyuan, Taiwan
Title: President

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EPS BASIC MODEL CERTIFICATION REPORT

EPS BASIC MODEL CERTIFICATION REPORT

Basic Model: FSP060-DIBAN2

Manufacturer: FSP GROUP INC.

Private Labeler (if applicable): _____

Name: MIKE LIN

Title: SAFETY MANAGER

Address: No. 22, Jianguo East Road, Taoyuan City 330, Taiwan

Telephone Number: +886-3-3759888

Facsimile Number: +886-3-3756966

Date: 2014/02/14

For Existing, New, or Modified Basic Models:

Provide specific product information for each basic model, including the manufacturer's model numbers and the test results. The information required in Sec. 430.62(a)(4)(i) through (a)(4)(xvii) is included in the data fields below:

Manufacturer's Model Number: FSP060-DIBAN2

Average Active-Mode Efficiency (%): 88.57

No-Load Mode Power Consumption (W): 0.06

Nameplate Output Power (W): 60W

Nameplate Output Current (if missing from nameplate) (A): 5A

For Discontinued Models:

Provide manufacturer's model number(s):

_____

_____

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中国国家强制性产品认证证书

证书编号：2014010907681268

委托人名称、地址

全汉企业股份有限公司
台湾桃园市建国东路22号

生产者(制造商)名称、地址

全汉企业股份有限公司
台湾桃园市建国东路22号

生产企业名称、地址

仲汉电子(深圳)有限公司
深圳市宝安区福永街道塘尾村聚源工业区第2,3,4,10栋

产品名称和系列、规格、型号

电源适配器

1)FSP050-DIBAN2，2)FSP060-DIBAN2 输入：AC 100-240V,50-60Hz,1.5A；输出：1) 12Vdc,4.16A MAX；2）12Vdc，5A MAX （不带电线组件销售，仅适用于海拔5000米及以下）

产品标准和技术要求

GB4943.1-2011;GB9254-2008;GB17625.1-2012

上述产品符合强制性产品认证实施规则 CNCA-01C-020:2010的要求，特发此证。

发证日期： 2014年03月18日　　**有效期至：** 2019年03月18日

证书有效期内本证书的有效性依据发证机构的定期监督获得保持。

本证书的相关信息可通过国家认监委网站www.cnca.gov.cn查询

主　任：

中国质量认证中心

中国 · 北京 · 南四环西路 188 号 9 区 100070

http://www.cqc.com.cn

CHINA QUALITY CERTIFICATION CENTRE 中国质量认证中心

Q 0904617

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CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2014010907681268

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 2,3,4,10,JuYuan Industrial Zone, TangWei Village, FuYong Town, BaoAn District, ShenZhen City, China

NAME, MODEL AND SPECIFICATION

Switching Power Adapter

1)FSP050-DIBAN2, 2)FSP060-DIBAN2 输入: AC 100-240V,50-60Hz,1.5A; 输出: 1) 12Vdc,4.16A MAX; 2) 12Vdc, 5A MAX (不带电线组件销售，仅适用于海拔5000米及以下)

THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS

GB4943.1-2011;GB9254-2008;GB17625.1-2012

This is to certify that the above mentioned products have met the requirements of implementation rules for compulsory certification(REF NO. CNCA-01C-020:2010).

Date of issue: Mar.18,2014 Date of expiry: Mar.18,2019

Validity of this certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date.

This certificate can be verified through CNCA's website: www.cnca.gov.cn

President: Wang Kejiao

CHINA QUALITY CERTIFICATION CENTRE

Section 9,No.188,Nansihuan Xilu, Beijing 100070 P.R.China

http://www.cqc.com.cn

Q 0904617

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中国强制性产品认证印刷／模压标志批准书

Permission of Printing/Impressing China Compulsory Product Certification Mark

No.FZ2014017575

兹批准本通知书申请人在由下列生产厂为其生产的产品铭牌上使用印刷方式加施强制性产品标志。

WE HEREBY AUTHORIZE THE APPLICANT IN THE FACTORY TO ADOPT PRINTED USING COMPULSORY CERTIFICATION MARK. THE APPROVED DESIGN OF MARKS MUST BE SHOWN ON THE NAMEPLATE OF PRODUCTS.

申　请　人：　全汉企业股份有限公司
APPLICANT:

制　造　商：　全汉企业股份有限公司
MANUFACTURER:

生　产　厂：　仲汉电子(深圳)有限公司
FACTORY:

证　书　号：　2014010907681268
CERTIFICATE NO:

批准图案（见附页）
APPROVED PATTERN (SEE ATTACHMENT)

有效日期从　2014年 3月 19日 至 2015年 3月 18日
VALID DATE FROM　Mar. 19, 2014 TO Mar. 18, 2015

发证日期：　2014 年 03 月 19 日
APPLICATION DATE: Mar. 19, 2014

中国国家认证认可监督管理委员会
Certification and Accreditation Administration
of the People's Republic of China

地址：中国 北京 朝阳区朝阳门外大街甲10号中认大厦5层　邮编：100020
ADD.: 5F A10, Chaowai Street, Chaoyang District, Beijing, P.R.China　POSTCODE: 100020
电话 TEL：+86-10-65991234　传真 FAX：+86-10-65994099/65994173/65991234 http://www.cnca.gov.cn

0578799

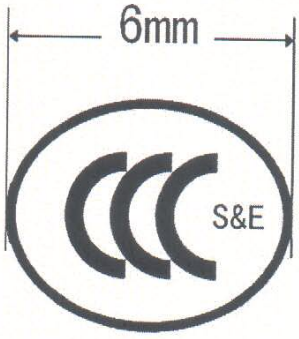
中国强制性产品认证印刷／模压标志批准书

Permission of Printing/Impressing China Compulsory Product Certification Mark

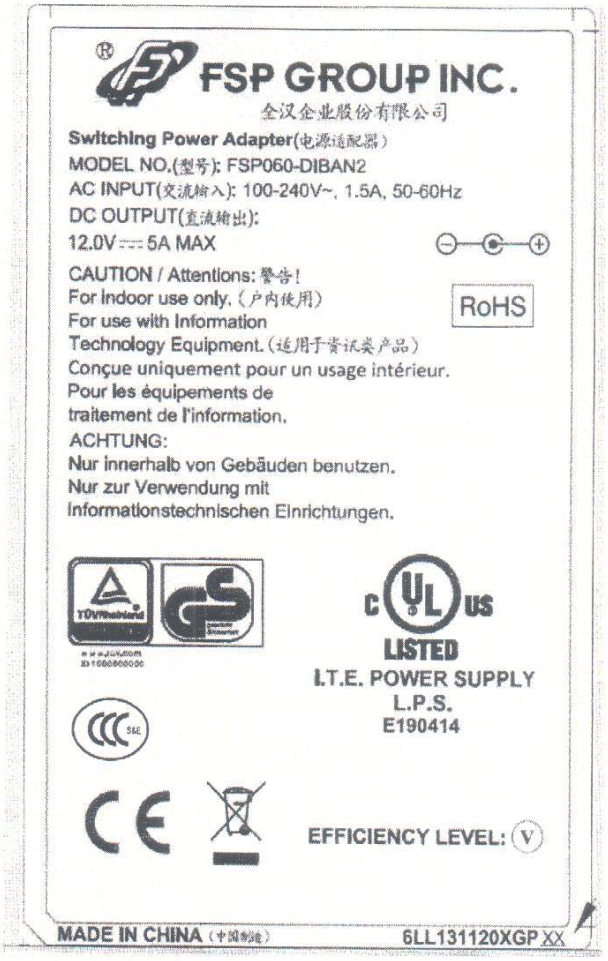
附页 No.FZ2014017575

此批准书批准范围仅为CCC认证证书涵盖内容，批复图案中无关CCC证书的内容不在批准范围内，请认证企业遵照相关法律法规执行。《中国强制性产品认证印刷/模压标志批准书》有效期内，如所涉及CCC认证证书失效，则批准书同时失效。

IT IS ONLY THE AREAS COVERED BY CCC CERTIFICATE ARE AUTHORIZED. THE IRRELEVANT CONTENT OF THE APPROVED DESIGNS CAN NOT BE AUTHORIZED. THE CERTIFIED ORGANIZATIONS SHOULD BE SUBJECT TO THE RELEVANT LAWS AND REGULATIONS. DURING THE VALID PERIOD OF "PERMISSION OF PRINTING/IMPRESSING CHINA COMPULSORY CERTIFICATION MARK", IF THE RELEVANT CCC CERTIFICATE EXPIRES, THE APPROVAL AUTOMATICALLY EXPIRES.



CCC标志颜色：白色



地址：中国 北京 朝阳区朝阳门外大街甲10号中认大厦5层 邮编：100020
ADD.: 5F A10, Chaowai Street, Chaoyang District, Beijing, P.R.China POSTCODE: 100020
电话 TEL：+86-10-65991234 传真 FAX：+86-10-65994099/65994173/65991234 http://www.cnca.gov.cn

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IEC IECEE CB SCHEME

Ref. Certif. No.

JPTUV-057791

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

SYSTEME CEI D'ACCEPTATION MUTUELLE DE CERTIFICATS D ESSAIS DES EQUIPEMENTS ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE

CERTIFICAT D'ESSAI OC

Product Produit	Switching Power Adapter
Name and address of the applicant Nom et adresse du demandeur	FSP Group Inc. No. 22, Jianguo E. Road Taoyuan 330 Taiwan
Name and address of the manufacturer Nom et adresse du fabricant	FSP Group Inc. No. 22, Jianguo E. Road Taoyuan 330 Taiwan
Name and address of the factory Nom et adresse de l'usine	See additional page(s)
Ratings and principal characteristics Valeurs nominales et charactéristiques principales	Input : AC 100-240V, 50-60Hz, 1.5A; Class I Output: DC 12.0V; 5.0A MAX
Trademark (if any) Marque de fabrique (si elle existe)	SySTIUM TECHNOLOGIES
Type of Manufacturer's Testing Laboratories used Type de programme du laboratoire d'essais constructeur	N/A
Model / Type Ref. Ref. de type	FSP060-DIBAN2
Additional information (if necessary may also be reported on page 2) Les informations complémentaires (si nécessaire, peuvent être indiqués sur la 2ème page)	
A sample of the product was tested and found to be in conformity with Un échantillon de ce produit a été essayé et a été considéré conforme à la	IEC 60950-1:2005+A1+A2 National differences see test report
As shown in the Test Report Ref. No. which forms part of this Certificate Comme indiqué dans le Rapport d'essais numéro de référence qui constitue partie de ce Certificat	11035366 003

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de Certification

TÜVRheinland®

TÜV Rheinland Japan Ltd.
Global Technology Assessment Center
4-25-2 Kita-Yamata, Tsuzuki-ku
Yokohama 224-0021 Japan
Phone + 81 45 914-3888
Fax + 81 45 914-3354
Mail: info@jpn.tuv.com
Web: www.tuv.com

Date: 24.07.2014

Signature: Robert Kong

10/061 CB 05.12

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IECEE CB SCHEME

Ref. Certif. No.

JPTUV-057791

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

2. Zhonghan Electronics (Shenzhen)
   Co., Ltd.
   Building 2,3,4,10,
   JuYuan Industrial Zone,
   TangWei Village, FuYong Town, BaoAn District, ShenZhen City, P.R. China

3. Wuxi SPI Technology Co., Ltd.
   No. 96, XinmeiRoad,
   New District, Wuxi city, Jiangsu
   P.R. China

4. ZHONGHAN SCIENCE &TECH CO.LTD
   BLD5, JuYuan Industrial
   TangWei Village, FuYong Town
   BaoAn, District. ShenZhen City
   P.R. China

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

Report Ref. No.: 11035366 003

Additional information (if necessary)
Information complémentaire (si nécessaire)

Date: 24.07.2014

Signature: Robert Kong

10/061a 8.06

FSP GROUP 全漢企業股份有限公司 FSP TECHNOLOGY INC.
台灣桃園市建國東路22號 統一編號：84239055
No. 22, Jianguo East Road., Taoyuan City, Taiwan, R.O.C.
TEL:+886-3-375-9888 Website : www.FSP-group.com
FAX:+886-3-375-6986 Email : sales@fsp-group.com.tw

FSP Green Product Declaration

We hereby guarantee that our power supply(part number listed below) are in compliant with RoHS directive "(2002/95/EC), WEEE directive (2002/96/EC)" and other national and international statutory requirements.

We hereby conform and report the material and amount of "Environment of hazardous substance" in the concern product and part as listed below :

Part name	FSP060-DIBAN2/9NA0605307	
Item	Substance/Material	Contain ppm
1	Cadmium and compounds	<100ppm
2	Lead and compounds	<1000ppm The RoHS Exemption *:Not required
3	Mercury and compounds	<1000ppm
4	Chrome(VI) and compounds	<1000ppm
5	Polybrominated biphenyls (PBBs)	<1000ppm
6	Polybrominated diphenylethers (PBDEs)	<1000ppm
end		

Remark:

1. The RoHS Exemption*: such as Leaded glass used in electronic components ; Lead (Pb) in high melting temperature type solders; Lead (Pb) in electronic ceramic parts and Lead (Pb) in Steel Alloys (0.35% or 3500 PPM), Aluminum Alloys (0.4% or 4000PPM) or Copper Alloys (incl. bronzes, brasses, 4.0% or 40,000 PPM). 2. N.D=Not detected.

AUTHORIZED SIGNATURE:

FSP Technology Inc.

Date: 2014/11/17