

# Certificate



Certificate no.

TA 50378840 01

**License Holder:**

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

**Manufacturing Plant:**

FSP Technology Inc., Kaohsiung Branch  
2-3, East 3rd Street  
N.E.P.Z., Kaohsiung 811  
Taiwan

**Test report no.:** ZTW1-LinPr 50047933 001 **Client Reference:** EH/SPC-1611056-app

**Tested to:** IEC 60601-1:2005+A1  
EN 60601-1:2006+A11+A1+A12

**Certified Product:** (Switching Power Supply)

**License Fee - Units**

Type Designation	: FSP600M-K48-ayf (FSP)	10
a stands for	: 12 or 15	1
y stands for	: B or C	1
f stands for	: Blank or '-SP'	1
Rated Voltage	: AC 100-240V, 47-63Hz	
Rated Current	: 8.4-4.2A	
Output Voltage	: see constructional dataform	
Output Current	: see constructional dataform	
max. Ambient Temperature:	50°C with o/p loaded to 100% rated 70°C with o/p loaded to 50% rated	
Protection Class	: I	

This certificate is valid for maximum 5 years.

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**Licensed Test mark:**



**TÜV Rheinland Taiwan Ltd**

Signature

**Date of Issue**  
(day/mo/yr)

16/05/2017

**Dipl.-Ing. (FH) A. Klinker**



# Certificate



Certificate no.

TA 50378840 02

**License Holder:**

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

**Manufacturing Plant:**

FSP Technology Inc., Kaohsiung Branch  
2-3, East 3rd Street  
N.E.P.Z., Kaohsiung 811  
Taiwan

**Test report no.:** ZTW1-LinPr 50047933 001 **Client Reference:** EH/SPC-1611056-app

**Tested to:** IEC 60601-1:2005+A1  
EN 60601-1:2006+A11+A1+A12

**Certified Product:** (Switching Power Supply)

**License Fee - Units**

as page 01

Addition

Type Designation	: FSP650M-K48-byf (FSP)	1
b stands for	: 18, 24, 28, 30, 32, 34, 36, 48, 57 or 58	1
y stands for	: B or C	1
f stands for	: Blank or '-SP'	1

Remark: 1. This license sheet replaces certificate  
TA 50378840, sheet 02 dated 16.05.2017.  
2. This certificate is valid for maximum 5 years.

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**Licensed Test mark:**



**TÜV Rheinland Taiwan Ltd**

Signature

Dipl.-Ing. W. Hsu



**Date of Issue**  
(day/mo/yr)

22/05/2017

# Certificate



Certificate no.

TA 50378840 03

**License Holder:**

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

**Manufacturing Plant:**

FSP Technology Inc., Kaohsiung Branch  
2-3, East 3rd Street  
N.E.P.Z., Kaohsiung 811  
Taiwan

**Test report no.:** ZTW1-LinPr 50047933 001 **Client Reference:** EH/SPC-1611056-app

**Tested to:** IEC 60601-1:2005+A1  
EN 60601-1:2006+A11+A1+A12

**Certified Product:** (Switching Power Supply)

**License Fee - Units**

as page 01

Addition

Type Designation	: PM651-xyf (PROTEK POWER)	1
x stands for	: 12, 13, 13-1, 14, 15, 16, 16-1, 17-1, 17, 18, 19 or 19-1	1
y stands for	: B or C	1
f stands for	: Blank or '-SP'	1

This certificate is valid for maximum 5 years.

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**Licensed Test mark:**



**TÜV Rheinland Taiwan Ltd**

Signature

**Date of Issue**  
(day/mo/yr)

16/05/2017



**Dipl.-Ing. (FH) A. Klinker**

# Certificate



Certificate no.

TA 50378840 04

**License Holder:**

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

**Manufacturing Plant:**

Protek Electronics (China) Corp.  
No. 3, Yong Tai 1st Street, North  
Area, Tian Mei Industrial Zone,  
Huang Jiang Town, Dong Guan City,  
Guang Dong Province 523752  
P.R. China

Test report no.: ZTW1-LinPr 50047933 001 Client Reference: EH/SPC-1611056-app

Tested to: IEC 60601-1:2005+A1  
EN 60601-1:2006+A11+A1+A12

Certified Product: (Switching Power Supply)

License Fee - Units

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Addition

Factory : see above

This certificate is valid for maximum 5 years.

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Licensed Test mark:



TÜV Rheinland Taiwan Ltd

Signature

Date of Issue

(day/mo/yr)

16/05/2017



Dipl.-Ing. (FH) A. Klinker

# Certificate



Certificate no.

TA 50378840 05

**License Holder:**

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

**Manufacturing Plant:**

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 Dist., Shenzhen City, Guangdong  
P.R. China

Test report no.: ZTW1-LinPr 50047933 001 Client Reference: EH/SPC-1611056-app

Tested to: IEC 60601-1:2005+A1  
EN 60601-1:2006+A11+A1+A12

Certified Product: (Switching Power Supply)

License Fee - Units

as page 01

Addition

Factory : see above

This certificate is valid for maximum 5 years.

Appendix: 1

Licensed Test mark:



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16/05/2017



Dipl.-Ing. (FH) A. Klinker