



全漢企業股份有限公司

安規證書

料號 :

Model Name

PM150-12A,PM150-13A,PM150-13-1A,PM150-14A,PM150-16A,PM150-16-1A,PM150-17A,PM150-18A,PM150-12ASP,PM150-13ASP,PM150-13-1ASP,PM150-14ASP,PM150-16ASP,PM150-16-1ASP,PM150-17ASP,PM150-18ASP,FSP150M-K24-12,FSP150M-K24-15,FSP150M-K24-18,FSP150M-K24-24,FSP150M-K24-30,FSP150M-K24-36,FSP150M-K24-48,FSP150M-K24-12SP,FSP150M-K24-15SP,FSP150M-K24-18SP,FSP150M-K24-

版次 : 04

文件編號 : SFD15058101-R3

作者 : wadezeng/曾建銘(KH)

SFA NO. : -

Trade mark : PROTEK POWER; FSP

安規種類 : TUV/醫療類

發行日期 : 2023/12/14 16:42:53

備註 : PM150 series,Medical,TUV證書
證書升到3.2版

Certificate



Certificate no.

TA 50304899 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-SCL 10048993 001

Client Reference: EH/SPC-1409044-app

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

Certified Product: (Power Supply)**License Fee - Units**

Type Designation	: FSP150M-K24-xxf (FSP)	10
xx stands for	: 12, 15, 18, 24, 30, 36 or 48	1
f stands for	: blank or -SP	1
Rated Voltage	: AC 100-240V, 47-63Hz	
Rated Current	: 2-0.71A	
Output Voltage	: see constructional dataform	
Output Current	: see constructional dataform	
max. Ambient Temperature:	50°C for output full load	
	70°C for output de-rating load	
Protection Class	: I	

This certificate is valid for maximum 5 years.

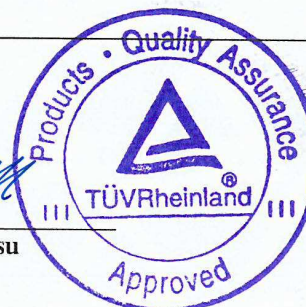
Appendix: 1

12

Licensed Test mark:**TÜV Rheinland Taiwan Ltd.**

Signature

Dipl.-Ing. W. Hsu

Date of Issue
(day/mo/yr)

13/02/2015

Certificate



Certificate no.

TA 50304899 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-SCL 10048993 001**Client Reference:** EH/SPC-1409044-app

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

Certified Product: (Power Supply)**License Fee - Units**

Type Designation	: PM150-xAf (PROTEK POWER)	1
x stands for	: 12, 13, 13-1, 14, 16, 17 or 18	1
f stands for	: blank or -SP	1
Rated Voltage	: AC 100-240V, 47-63Hz	
Rated Current	: 2-0.71A	
Output Voltage	: see constructional dataform	
Output Current	: see constructional dataform	
max. Ambient Temperature:	50°C for output full load	
	70°C for output de-rating load	
Protection Class	: I	

This certificate is valid for maximum 5 years.

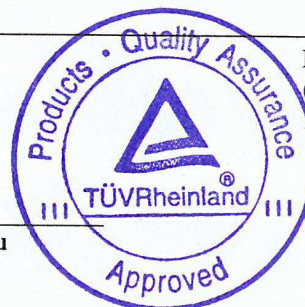
3

Appendix: 1

Licensed Test mark:**TÜV Rheinland Taiwan Ltd.**

Signature

Dipl.-Ing. W. Hsu

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

13/02/2015

Certificate



Certificate no.

TA 50304899 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- 10048993 002

Client Reference: SPC-FSP-PM150-16-1Af

Tested to:

IEC 60601-1:2005+A1

EN 60601-1:2006+A11+A1+A12

Certified Product: (Power Supply)

License Fee - Units

as page 01

Addition

Type Designation	: PM150-16-1Af (PROTEK POWER)	1
f stands for	: blank or -SP	1
Output Voltage	: DC 32V	
Output Current	: 1) 3.13A w/o forced air cooling	
	: 2) 4.69A with forced air cooling	

This certificate is valid for maximum 5 years.

Appendix: 1

2

Licensed Test mark:



TÜV Rheinland Taiwan Ltd.

Signature

Date of Issue

(day/mo/yr)

20/12/2016



Dipl.-Ing. (FH) A. Klinker

TÜV Rheinland Taiwan Ltd., 11fl., No. 758, Sec. 4, Bade Road, Songshan Dist., Taipei City 105, Taiwan, R.O.C.- Tel (02) 2172-7000 - Fax (02) 2528-0018

Certificate



Certificate no.

TA 50304899 04

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, Nanzih District,
Kaohsiung City, 811
Taiwan

Test report no.: ZTW1-10048993 003

Client Reference: P00477572, 238053404

Tested to:

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

Certified Product: (Power Supply)

License Fee - Units

as page 01

Test Requirement : see above

Change

Factory : see above

This certificate is valid for 5 maximum years.

Appendix: 1

Licensed Test mark:



TÜV Rheinland Taiwan Ltd.

Signature

Dipl.-Ing. W. Hsu



Date of Issue

(day/mo/yr)

01/12/2021

TÜV Rheinland Taiwan Ltd., 11F., No 758, Sec. 4, Bade Rd., Songshan Dist., Taipei 105, Taiwan Tel.: (02) 2172 7000, Fax: (02) 2172 1322

Certificate



Certificate no.

TA 50304899 05

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, Nanzih District,
Kaohsiung City, 811
Taiwan

Test report no.: ZTWI-KM 10048993 004

Client Reference: P01209608

Tested to:

IEC 60601-1:2005+A1+A2
EN 60601-1:2006+A1+A12+A2

Certified Product: (Power Supply)

License Fee - Units

as page 01

Change

Test Requirement : see above

Remark : This certificate is valid for maximum 5 years from
last page.

Appendix: 2

Licensed Test mark:



TÜV Rheinland Taiwan Ltd.

Signature

Date of Issue

(day/mo/yr)

13/12/2023

Dipl.-Ing. (FH) A. Klinker



TÜV Rheinland Taiwan Ltd., 11F., No 758, Sec. 4, Bade Rd., Songshan Dist., Taipei 105, Taiwan Tel.: (02) 2172 7000, Fax: (02) 2172 1322

Certificate



Certificate no.

TA 50304899 06

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, She Bei,
Huang Jiang Town, Dong Guan City,
Guang Dong Province 523752
P.R. China

Test report no.: ZTWI-KM 10048993 004

Client Reference: P01209608

Tested to:

IEC 60601-1:2005+A1+A2
EN 60601-1:2006+A1+A12+A2

Certified Product: (Power Supply)**License Fee - Units**

as page 01

Addition

Factory : see above

Remark : This certificate is valid for maximum 5 years from
last page.

Appendix: 2

Licensed Test mark:**TÜV Rheinland Taiwan Ltd.**

Signature

Dipl.-Ing. (FH) A. Klinker

**Date of Issue**

(day/mo/yr)

13/12/2023

TÜV Rheinland Taiwan Ltd., 11F., No 758, Sec. 4, Bade Rd., Songshan Dist., Taipei 105, Taiwan Tel.: (02) 2172 7000, Fax: (02) 2172 1322

Certificate



Certificate no.

TA 50304899 07

License Holder:

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

Manufacturing Plant:

Zhonghan Electronics (Shenzhen)
Co., Ltd.
Building 4(101) & Building 4,6,7
in Section C, JuYuan Industrial Zone,
TangWei Village, FuHai Town, BaoAn Dist.,
ShenZhen City, Guangdong
P.R. China

Test report no.: ZTWI-KM 10048993 004

Client Reference: P01209608

Tested to:

IEC 60601-1:2005+A1+A2
EN 60601-1:2006+A1+A12+A2

Certified Product: (Power Supply)**License Fee - Units**

as page 01

Addition

Factory : see above

Remark : This certificate is valid for maximum 5 years from
last page.

Appendix: 2

Licensed Test mark:**TÜV Rheinland Taiwan Ltd.**

Signature

Dipl.-Ing. (FH) A. Klinker

**Date of Issue**

(day/mo/yr)

13/12/2023

TÜV Rheinland Taiwan Ltd., 11F., No 758, Sec. 4, Bade Rd., Songshan Dist., Taipei 105, Taiwan Tel.: (02) 2172 7000, Fax: (02) 2172 1322