

Certificate



Certificate no.

TA 50199861 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 10028818 001

Client Reference: 8548200497/CL/SPC

Tested to: IEC 60601-1:2005
EN 60601-1:2006

Certified Product: (AC-DC Power Supply)

License Fee - Units

Type Designation : FSP400-z (FSP) 10
z stands for : 1K20M1, 1K30M1, 1K31M1, 1K40M1, 1K50M1, 1
1K70M1, 1K80M1
Rated Voltage : AC 100-240V, 47-63Hz
Rated Current : 4.6-2.3A
Output Voltage : see constructional dataform
Output Current : see constructional dataform
max. Power Output: see constructional dataform
max. Ambient Temperature : 1) 50 C (for full output load)
2) 70 C (for half output load)

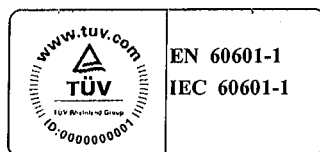
Protection Class : I

This certificate is valid for maximum 5 years.

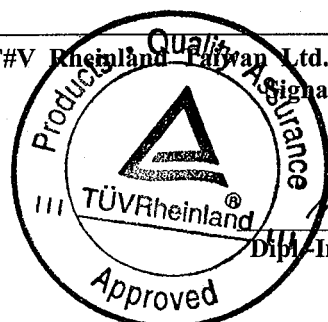
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Appendix: 1

Licensed Test mark:



T#V Rheinland Taiwan Ltd.



Signature

Dipl.-Ing. W. Hsu

Date of Issue

(day/mo/yr)
21/03/2011

Certificate



Certificate no.

TA 50199861 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 10028818 001

Client Reference: 8548200497/CL/SPC

Tested to: IEC 60601-1:2005
EN 60601-1:2006

Certified Product: (AC-DC Power Supply)

License Fee - Units

as page 01

Addition

Type Designation : PM400-xy (PROTEK POWER) 1

x stands for : 12, 13, 13-1, 14, 15, 17, 18 1

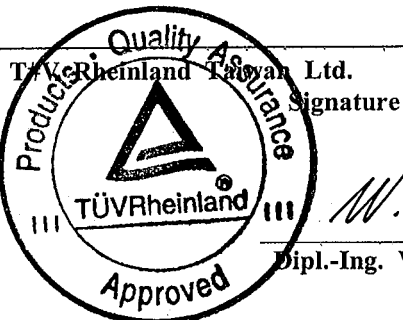
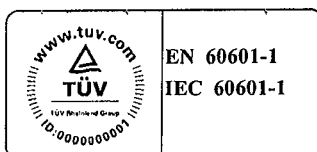
y stands for : B or C 1

This certificate is valid for maximum 5 years.

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Appendix: 1

Licensed Test mark:



Date of Issue
(day/mo/yr)
21/03/2011

Certificate



Certificate no.

TA 50199861 03

License Holder:

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

Manufacturing Plant:

Protek Electronics (China) Corp.
North Area, Tianmei Ind. Zone
Huangjiang Town
Dongguan City, Guangdong Province
P.R. China

Test report no.: ZTW1-SCL 10028818 001

Client Reference: 8548200497/CL/SPC

Tested to: IEC 60601-1:2005
EN 60601-1:2006

Certified Product: (AC-DC Power Supply)

License Fee - Units

as page 01

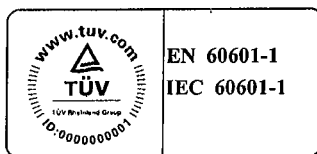
Addition

Factory : see above

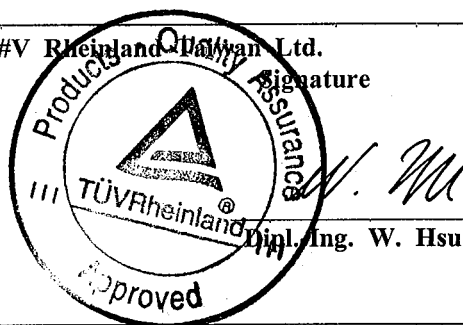
This certificate is valid for maximum 5 years.

Appendix: 1

Licensed Test mark:



T#V Rheinland Taiwan Ltd.



Date of Issue

(day/mo/yr)
21/03/2011

Certificate



Certificate no.

TA 50199861 04

License Holder:

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

Manufacturing Plant:

ZhongHan Electronics (ShenZhen)
Co., Ltd.
JuYuan Industrial Zone
TangWei Village, FuYong Town
BaoAn District, ShenZhen City 518103
P.R. China

Test report no.: ZTW1-SCL 10028818 001

Client Reference: 8548200497/CL/SPC

Tested to: IEC 60601-1:2005
EN 60601-1:2006

Certified Product: (AC-DC Power Supply)

License Fee - Units

as page 01

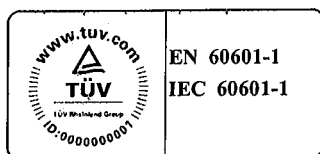
Addition

Factory : see above

This certificate is valid for maximum 5 years.

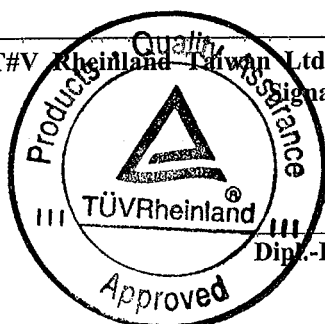
Appendix: 1

Licensed Test mark:



EN 60601-1
IEC 60601-1

T#V Rheinland Taiwan Ltd.



Signature

Dipl.-Ing. W. Hsu

Date of Issue
(day/mo/yr)

21/03/2011

Certificate



Certificate no.

TA 50199861 05

License Holder:

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

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

Test report no.: ZTW1-SCL 10028818 002

Client Reference: 04122012

Tested to: IEC 60601-1:2005
EN 60601-1:2006

Certified Product: (AC-DC Power Supply)

License Fee - Units

as page 01

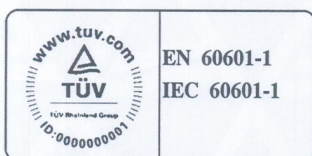
Change

Factory : see above

This certificate is valid for maximum 5 years.

Appendix: 1

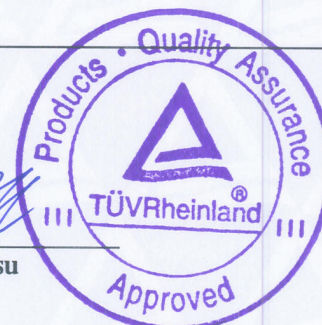
Licensed Test mark:



TÜV Rheinland Taiwan Ltd.

Signature

Dipl.-Ing. W. Hsu



Date of Issue
(day/mo/yr)

09/01/2013

Certificate



Certificate no.

TA 50199861 06

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 10028818 003

Client Reference: EH/SPC-1405003-app

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

Certified Product: (AC-DC Power Supply)

License Fee - Units

as page 01

Change

Test Requirement: see above

This certificate is valid for maximum 5 years.

Appendix: 1

Licensed Test mark:



TÜV Rheinland Taiwan Ltd.

Signature



Dipl.-Ing. (FH) A. Klinker

Date of Issue

(day/mo/yr)

09/07/2014

Certificate



Certificate no.

TA 50199861 07

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 10028818 003

Client Reference: EH/SPC-1405003-app

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

Certified Product: (AC-DC Power Supply)

License Fee - Units

as page 01

Addition

Type Designation : FSP400-KxAM1 (FSP) 1
x stands for : D, A, K, E or F 1
Outputs : DC 18V/22.23A (x=D), DC 24V/16.67A (x=A),
: DC 28V/14.29A (x=K), DC 36V/11.12A (x=E),
: DC 48V/8.34A (x=F)
max. Power Output: 400W

This certificate is valid for maximum 5 years.

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Appendix: 1

Licensed Test mark:



TÜV Rheinland Taiwan Ltd.

Signature

Date of Issue

(day/mo/yr)

09/07/2014



Dipl.-Ing. (FH) A. Klinker

Certificate



Certificate no.

TA 50199861 08

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 10028818 003

Client Reference: EH/SPC-1405003-app

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

Certified Product: (AC-DC Power Supply)

License Fee - Units

as page 01

Addition

Type Designation	: PMP400-x-S (PROTEK POWER)	1
x stands for	: 13-1, 14, 15, 17, 18	1
Outputs	: DC 18V/22.23A (x=13-1), DC 24V/16.67A (x=14), DC 28V/14.29A (x=15), DC 36V/11.12A (x=17), DC 48V/8.34A (x=18)	
max. Power Output	: 400W	

This certificate is valid for maximum 5 years.

2

Appendix: 1

Licensed Test mark:



TÜV Rheinland Taiwan Ltd.

Signature

Date of Issue

(day/mo/yr)

09/07/2014



Dipl.-Ing. (FH) A. Klinker

Certificate



Certificate no.

TA 50199861 09

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-SCL 10028818 003

Client Reference: EH/SPC-1405003-app

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

Certified Product: (AC-DC Power Supply)

License Fee - Units

as page 01

Change

Factory : see above

This certificate is valid for maximum 5 years.

Appendix: 1

Licensed Test mark:



TÜV Rheinland Taiwan Ltd.

Signature

Date of Issue

(day/mo/yr)

09/07/2014



Dipl.-Ing. (FH) A. Klinker

Certificate



Certificate no.

TA 50199861 10

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 10028818 004

Client Reference: WZ-20141014-Mod.

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

Certified Product: (AC-DC Power Supply)

License Fee - Units

as page 01

Addition

Type Designation	: FSP400-1KxM1C (FSP)	1
x stands for	: 20, 30, 31, 40, 50, 70, 80	1

This certificate is valid for maximum 5 years.

Appendix: 1

2

Licensed Test mark:



TÜV Rheinland Taiwan Ltd.

Signature



Dipl.-Ing. F. Stöckel

Date of Issue
(day/mo/yr)

31/10/2014

Certificate



Certificate no.

TA 50199861 11

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- 10028818 006

Client Reference: WT-20150410Co

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

Certified Product: (AC-DC Power Supply)

License Fee - Units

as page 01

Change

Test Requirement : see above

This certificate is valid for maximum 5 years.

Appendix: 1

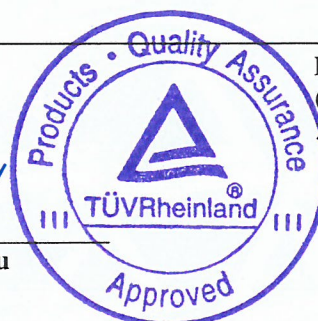
Licensed Test mark:



TÜV Rheinland Taiwan Ltd.

Signature

Dipl.-Ing. W. Hsu



Date of Issue

(day/mo/yr)

28/05/2015

Certificate



Certificate no.

TA 50199861 12

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- 10028818 006

Client Reference: WT-20150410Co

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

Certified Product: (AC-DC Power Supply)

License Fee - Units

as page 01

Change

Factory : see above

This certificate is valid for maximum 5 years.

Appendix: 1

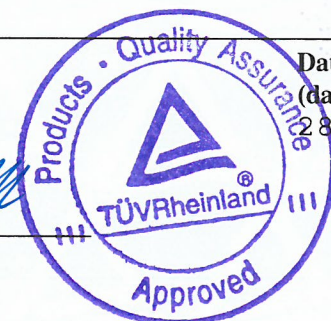
Licensed Test mark:



TÜV Rheinland Taiwan Ltd.

Signature

Dipl.-Ing. W. Hsu



Date of Issue
(day/mo/yr)

28/05/2015

Certificate



Certificate no.

TA 50199861 13

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- 10028818 007

Client Reference: EH/SPC-1601086-app

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

Certified Product: (AC-DC Power Supply)

License Fee - Units

as page 01

Change

Type Designation : FSP400-zf (FSP)
f stands for : blank or "-SP"

1

This certificate is valid for maximum 5 years.

Appendix: 1

1

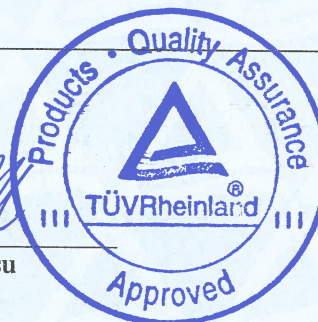
Licensed Test mark:



TÜV Rheinland Taiwan Ltd.

Signature

Dipl.-Ing. W. Hsu



Date of Issue
(day/mo/yr)

11/10/2016

Certificate



Certificate no.

TA 50199861 14

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- 10028818 007

Client Reference: EH/SPC-1601086-app

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

Certified Product: (AC-DC Power Supply)

License Fee - Units

as page 01

Change

Type Designation : PM400-xyf (PROTEK POWER)
f stands for : blank or "-SP"

1

This certificate is valid for maximum 5 years.

1

Appendix: 1

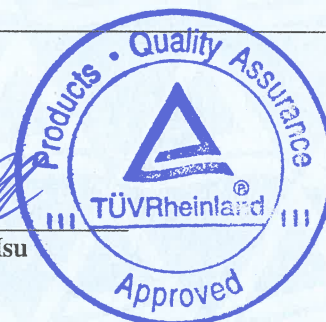
Licensed Test mark:



TÜV Rheinland Taiwan Ltd.

Signature

Dipl.-Ing. W. Hsu



Date of Issue

(day/mo/yr)

11/10/2016

Certificate



Certificate no.

TA 50199861 15

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- 10028818 007

Client Reference: EH/SPC-1601086-app

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

Certified Product: (AC-DC Power Supply)

License Fee - Units

as page 01

Change

Type Designation : FSP400-1KxM1Cf (FSP)
f stands for : blank or "-SP"

1

This certificate is valid for maximum 5 years.

Appendix: 1

1

Licensed Test mark:

TÜV Rheinland Taiwan Ltd.

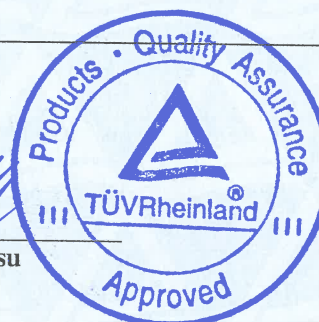
Signature

Date of Issue
(day/mo/yr)

11/10/2016



Dipl.-Ing. W. Hsu



Certificate



Certificate no.

TA 50199861 16

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- 10028818 007

Client Reference: EH/SPC-1601086-app

Tested to:

IEC 60601-1:2005+A1
EN 60601-1:2006+A11+A1+A12
IEC 60601-1-6:2010+A1
EN 60601-1-6:2010+A1
IEC 62366:2007+A1
EN 62366:2008+A1
IEC 60601-1:2005
EN 60601-1:2006+A11+A12

Certified Product: (AC-DC Power Supply)

License Fee - Units

as page 01

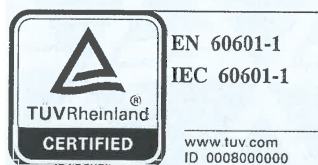
Change

Test Requirement : see above

Remark: 1. This certificate is valid for maximum 5 years.
2. The risk management requirements and usability of the standard were not addressed for FSP400-zf, PM400-xyf and FSP400-1KxM1Cf.

Appendix: 1

Licensed Test mark:



TÜV Rheinland Taiwan Ltd.

Signature

Dipl.-Ing. W. Hsu



Date of Issue
(day/mo/yr)

11/10/2016