

DESCRIPTION

PRODUCT COVERED:

USR, CNR: Component - Switching Power Supply (Chassis), Information Technology Equipment, Including Electrical Business Equipment, Models **HPF3B8B8KS721**, SPF3XS, SMF3XS, HPF3XS, HMF3XS, HPF5XS, HMF5XS, RPF5XS, and RMF5XS Series; where X represents a series of alphanumeric characters corresponding to output modules and S, optional, represents a series of alphanumeric characters **denoting non-safety critical options, unless included in a specific model number.**

ELECTRICAL RATINGS: Optional

Model	Input			Output, dc
	Volts	Amps	Hz	Watts
SPF3XS, SMF3XS	100	12	50-60	875
	120	11	50-60	1000
	200-250	8	50-60	1300
HPF3XS, HMF3XS, HPF5XS, HMF5XS	100	18	50-60	1300
	120	17	50-60	1500
	200-250	12	50-60	2000
RPF5XS, RMF5XS	200-250	18	50-60	3000
HPF3B8B8KS721	120	12	50-60	1200

GENERAL:

The above power supply chassis provide a 300 V dc buss which supplies the output modules and the control circuitry such as bias/sync and EMI filtering. Up to 5 modules provided. Output modules are R/C (QQGQ2), Power One Inc., Single Slot Low Power Modules (SSLP), Single Slot High Power Modules (SSHP), Single Slot Triple Power Modules (SSTO), Double Slot Low Power Modules (DSLTP), and/or Double Slot High Power Modules (DSHLP), covered in File E131905, Vol. 1, Sections 81 through 85.

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Use - For use only in (or with) complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Special Considerations - The following items are considerations that were used when evaluating this product.

The component was submitted by the manufacturer for use in a maximum air ambient of 50°C.

USR/CNR indicates investigation to the U.S. and Canadian (Bi-National) Standard for Safety of Information Technology Equipment, Including Electrical Business Equipment, CAN/CSA C22.2, No. 60950-1 * UL 60950-1, First Edition, which are based on IEC 60950-1: First Edition.

The equipment is considered: Class I (earthed), intended for use on a TN power system.

Disconnect Device - To be determined in the end product.

Conditions of Acceptability - When installed in the end-use equipment, consideration shall be given to the following:

1. **This component has been judged on the basis of the required spacings in the Standard for Safety of Information Technology Equipment, Including Electrical Business Equipment, CAN/CSA C22.2, No. 60950-1 * UL 60950-1, First Edition, which are based on IEC 60950-1: First Edition, Sub-Clause 2.10, which would cover the component itself if submitted for Listing.**
2. The terminals and connectors have not been evaluated for field wiring.
3. The power supply shall be properly bonded to the main protective earthing termination in the end product.
4. Magnetic device(s) (e.g. transformer) T1 (bias) employ an (OBJY3) electrical insulation system designated Class B.
5. The equipment has been evaluated for use in a Pollution Degree 2 environment.
6. A suitable electrical and fire enclosure shall be provided.
7. The products were tested on a 30 A branch circuit. If used on a branch circuit greater than this, additional testing may be necessary.
8. The secondary output circuits are SELV and maybe at hazardous energy levels.
9. If additional components are to be installed before the fuse, additional protection should be implemented on end use.

Certificate

No: B 02 01 24238 270



Power-One, Inc.

740 Calle Plano
Camarillo, CA 93012
USA

with production facility(ies)
24238 24258 24260 25768 36080

is authorized to label the following products with the
certification mark E20
as shown in the certification mark list. See also notes overleaf.

Product: Schaltnetzteile
Switching Power Supply (High Power Chassis)

Model: RPF5XS / RMF5XS

Parameters:	Rated Input Voltage:	200 - 250 V AC
	Rated Frequency:	50 - 60 Hz
	Rated Input Current:	18 A
	Rated Output Power:	3000 W
	Protection Class:	I (at end-use)

Remarks: When installing the equipment, all requirements of the below
mentioned standard must be met.
See attachment for variants.

The product meets the relevant safety requirements and was tested according to
(report no.: SI200125-106)

EN 60950:2000
IEC 60950:1999

Released with the above certificate number by TÜV PRODUCT SERVICE,
the Product Certification Body of TÜV AMERICA INC.



R - (B 01 10 24238 257)

Department: SDGMIC/HP

Date: January 30, 2002

TÜV PRODUCT SERVICE, INC · Danvers · MA · www.tuvglobal.com

**Attachment to Certificate B 02 01 24238 270
For Power-One, Inc.**

High Power Chassis Models SPF3XS/SMF3XS, HPF3XS/HMF3XS, HPF5XS/HMF5XS, RPF5XS/RMF5XS consist of an Input board, Bias/Sync board and output modules. The power supply chassis provides a 300 V dc bus which supplies the output modules and the control circuitry. The Bias/Sync board provides up to 5 slots for the mounting of the output modules. The output modules are separately approved under the following reports: Single Slot Low Power Modules (SSLP) - S220702601, Single Slot High Power (SSHP) - S220702601, Single Slot Triple Output (SSTO) - S220702601, Double Slot Low Power (DSL P) - S220702601, Double Slot High Power (DSHP) -SI1E0031001.

The suffixes after the models name represents: X - series of alphanumeric characters corresponding to output modules and S, optional, represents a series of alphanumeric characters.

Models SMF3XS / HMF3XS / HMF5XS / RMF5XS are similar to SPF3XS / HPF3XS / HPF5XS / RPF5XS except for the metric mounting chassis.

Outputs may be an energy hazard (>240 VA) – compliance at end-use.

Ratings:

<u>Model</u>	<u>Input</u>			<u>Output Watts</u>
	<u>V</u>	<u>A</u>	<u>Hz</u>	
SPF3XS, SMF3XS	100	12	50 - 60	875
	120	11	50 - 60	1000
	200-250	8	50 - 60	1300
HPF3XS, HMF3XS	100	18	50 - 60	1300
HPF5XS, HMF5XS	120	17	50 - 60	1500
	200-250	12	50 - 60	2000
RPF5XS, RMF5XS	200-250	18	50 - 60	3000

The units are auto ranging from 100 – 250 Vac. Depending on the input voltage, the maximum allowed output can be from 875 – 3000 Watts.





Ref. Certif. No.

DE 3 - 51083M2

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 Supply - High Power Chassis

Name and address of the applicant
Nom et adresse du demandeur

Power-One, Inc.
740 Calle Plano
Camarillo, CA 93012 USA

Name and address of the manufacturer
Nom et adresse du fabricant

Power-One, Inc.
740 Calle Plano
Camarillo, CA 93012 USA

Name and address of the factory
Nom et adresse de l'usine

24238, 24258, 24260, 25768, 36080

Rating and principal characteristics
Valeurs nominales et caractéristiques principales

Rated Voltage: 200 - 250 Vac
Rated Current: 18 A
Rated Frequency: 50 - 60 Hz
Rated Power: 3000 W
Protection Class: I

Trade mark (if any)
Marque de fabrique (si elle existe)

Power-One

Model/type Ref.
Ref. de type

RPF5XS / RMF5XS
See Attachment for variants

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

See Attachment

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*

PUBLICATION
IEC 60950:1999

EDITION
Third

as shown in the Test Report Ref. No.
which form part of this certificate
*comme indiqué dans le Rapport d'essais numéro de
référence qui constitue une partie de ce certificat*

TÜV Product Service
095-201256-200

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

Department: SDG ITY
Date: 2002-03-05
CB 02 03 24238 277

E-(CB 02 02 24238 275)

TÜV
PRODUCT SERVICE

TÜV PRODUCT SERVICE GMBH · Certification Body · Ridlerstrasse 65 · D-80339 München

**Attachment to CB Certificate DE 3 – 51083M2
For Power-One, Inc.**

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Declaration of Conformity

CE MARKING

We, **Power-One, Inc., 740 Calle Plano, Camarillo, CA. 93012 USA**
declare under our sole responsibility that the products;

Power Supply Model: International High Power Series

to which this declaration relates, is/are in compliance with the following document(s):

Quality Standard(s): **ISO 9001, EN 29001**

Directive: **DIR 73/23/EEC, Low Voltage Directive**

Product Safety Standard(s): **EN 60950: 2000, IEC 60950:1999**

These power supplies are intended exclusively for inclusion within other equipment by an industrial assembly operation or by professional installers per the Installation Instructions provided with the power supplies. The power supply is considered Class I and must be connected to a reliable earth grounding system.

<u>Approved Models:</u>	HMF3	HMM7	HPF6	RMF5	SMF6	SPF3	SPM3
	HMF4	HPF3	HPM5	RMM5	SMM2	SPF4	SPM5
	HMF5	HPF4	HPM7	RPM5	SMM3	SPF6	
	HMM5	HPF5	RPF5	SMF3	SMM5	SPM2	

The above models may be followed by alpha numeric characters denoting output modules and options. Models may be followed by suffix SXXX.

(Manufacturer)

Robert P. White Jr.
Product Safety Manager

Camarillo, Ca.

(Place)

April 15, 2002

(Date)