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America

CERTIFICATE

No. U8V 13 02 21433 346

Holder of Certificate: **Vicor Corporation**
25 Frontage Road
Andover, MA 01810
USA

Production Facility(ies): 67768

Certification Mark:

Product:
Power supply
AC-DC Power Supply

Model(s):
PFM175D480T330A00
PF175B480T033FP-00
(See attachment for model nomenclature and license conditions.)

Parameters:

Rated Input Voltage:	85-264 Vrms
Rated Input Frequency:	47-63 Hz
Rated Output Voltage:	48 V DC
Rated Output Power:	330 W
Protection Class:	II
Degree of Protection:	IPX0

Tested according to:
CAN/CSA-C22.2 No. 60950-1/A1:2011
UL 60950-1/R:2011-12
EN 60950-1/A12:2011

The product was voluntarily tested according to the relevant safety requirements noted above. It can be marked with the certification mark above. The mark must not be altered in anyway. This product certification system operated by TÜV SÜD America Inc. most closely resembles system 3 as defined in ISO/IEC Guide 67. Certification is based on the TÜV SÜD "Testing and Certification Regulations". TÜV SÜD America Inc. is an OSHA recognized NRTL and a Standards Council of Canada accredited certification body.

Test report no.: 090-1009618-100

Date, 2013-02-13

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UCB_F_12.02 2012-02

Attachment to Certificate U8V 13 02 21433 346

America

Vicor Corporation
25 Frontage Road,
Andover, MA. 01810, USA

VI Chip PFM Model Number: PFMbbbWcccsxxxyzz
Example: PFM175D480T330A00

PFM = Constant	Power Factor Module

bbb = Input Voltage (range) Vac Rectified	
175 (85-264)	Universal
115 (85-132)	Low Range
230 (170-265)	High Range

W = Lead Style	
B	Bond wire pad
D	J-lead
E	Through-hole

ccc = Output Voltage	
480	48 Vdc

s =	Product Grade	Temp Range
C	Commercial	-20 - 100 C
T	Telecom	-40 - 100 C
M	Military	-55 - 100 C

xxx = Output Power Designator, any 3 digits below 330, non-inclusive list of examples below			
200	200 W	300	300 W
250	250 W	330	330 W

Revision (non-safety related)	
y	Any alphanumeric character

Customer Reference (non-safety related)	
zz	Any alphanumeric character

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America

Vicor Corporation
25 Frontage Road,
Andover, MA. 01810, USA

VI Brick PFM Model Number: PFbbbBcccsxxxyy-zz

Example: PF175B480C033FP-00

PF = Constant	VI Brick PFM (Power Factor Module)

bbb = Input Voltage (range) Vac Rectified	
175 (85-264)	Universal
115 (85-132)	Low Range
230 (170-265)	High Range

B = Constant	Package Size (Double)

ccc = Output Voltage	
480	48 Vdc

s =	Product Grade	Temp Range
C	Commercial	-20 - 100 C
T	Telecom	-40 - 100 C
M	Military	-55 - 100 C

xxx = Output Power Designator, any 3 digits below 033, non-inclusive list of examples below			
020	200 W	030	300 W
025	250 W	033	330 W

yy = Package Style, defines Baseplate and Pin
Any alphanumeric character (non-safety related)

zz = Customer Special Designator
Any alphanumeric character (non-safety related)

Test Report No: 090-1009618-100

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America

Vicor Corporation
25 Frontage Road,
Andover, MA. 01810, USA

License Conditions:

Special Considerations – The following items are considerations that were used when evaluating these products. The PFM family of AC-DC converters are designed for building-in.

1. An external bridge rectifier is required in front of the PFM.
2. The PFM provides 3000 Vrms / 4242 Vdc of isolation from input to output.
3. The Output of the PFM is considered SELV.
4. The maximum temperature of VI Chip PFM case or the VI Brick PFM baseplate is 100°C.
5. Supplemental Insulation is provided from In to case / baseplate and Out to case / baseplate. The case / baseplate may be grounded in the end application.
6. The PFM was evaluated with an external fast acting fuse rated 6.3A. Littelfuse 216P series, Bussmann S501 series, and Schurter SA series.

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