



America

CERTIFICATE

No. U8V 14 03 21433 396

Holder of Certificate: Vicor Corporation

25 Frontage Road
Andover, MA 01810
USA

Production Facility(ies): 67768

Certification Mark:



Product: AC-DC and DC-DC converters
AC-DC Converter

Model(s): VI-ARM and FARM Series
See attachment for additional model numbers and ratings.

Parameters:

Rated Input Voltage:	115/230 V AC
Rated Frequency:	50-800 Hz
Rated Input Current:	20 A max.
Rated Output Voltage:	300 V DC
Rated Output Power:	1500 W Max
Protection Class:	I

See attachment for license conditions.

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.

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Attachment to Certificate Number U8V 14 03 21433 396



America

VI-ARM and FARM series Family Tree

Vin = 115 / 230 Vac (90-132/180-264), 50-800Hz (47-880), 20A Max
 Vout = 300 Vdc (180-375)

VI-ARMw-xyzz-aa**VI-ARM = Vicor - Autoranging Rectifier Module, constant****w = B (Optional, non-safety related)****x = Product Grade**

C = -20 to +100°C H = -40 to +100°C E = -10 to +100°C
 T = -40 to +100°C M = -55 to +100°C

y = Product Type (Output Power Level)

1 = 500 W / 750 W
 2 = 750 W / 1500 W

zz = Pin Style, RoHS and Baseplate Designator

(any alphanumeric combination, non-safety related)

aa = Customer Special Designator

(any alphanumeric combination, non-safety related)

FARMwxyz-aa**FARM = Filter Autoranging Rectifier Module, constant****w = Product Type (Output Power Level)**

1 = 500 W / 750 W
 2 = 750 W / 1000 W
 3 = 500 W / 600 W

x = Product Grade

C = -20 to +100°C H = -40 to +100°C E = -10 to +100°C
 T = -40 to +100°C M = -55 to +100°C

yz = Pin Style, RoHS and Baseplate Designator

(any alphanumeric combination, non-safety related)

aa = Customer Special Designator

(any alphanumeric combination, non-safety related)

VI-ARM AND FARM LICENSE CONDITIONS

1. The baseplate temperature of all VI-ARM and FARM modules is limited to 100°C.
2. FARMS may require an external resistor to comply with the Capacitor Discharge test.
3. The FARM1, FARM3, and VI-ARMw-x1 require an external 10A Fuse.
4. The FARM2 and VI-ARMw-x2 require an external 15A fuse.
5. Customer Specific application. The VI-ARMw-x2 has been evaluated for use at 1000 W with a 20A input fuse when restricted to 115V applications (90-132).
6. 10A Fuse = Bussmann ABC-10 or a 10A Wickmann 194 / Littelfuse 216 Series.
7. 15A Fuse = Bussmann ABC-15, 20A Fuse = Bussmann ABC-20 (Condition 5 only)
8. The FARM is designed for building-in. Operation above 63 Hz may result in high touch current. To be evaluated in end use product.

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