



Ref. Certif. No.

DE 3 - ITAV1922

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product	Audio/Video, Information and Communication technology equipment AC-DC Component Power Supply
Name and address of the applicant	Vicor Corporation 25 Frontage Road Andover MA 01810 USA
Name and address of the manufacturer	Vicor Corporation 25 Frontage Road, Andover MA 01810, USA
Name and address of the factory	Vicor Inc. 400 Federal Street, Andover MA 01810, USA
Ratings and principal characteristics	Rated Input Voltage: 115/230 VAC Rated Frequency: 50-800 Hz Rated Input Current: 20 A max Rated Output Power: 1500W max (ARM) 1000W max (FARM) Protection Class: I Degree of Protection: IPX0
Trademark / Brand (if any)	VICOR
Customer's Testing Facility (CTF) Stage used	CTF STAGE 3
Model/type Ref.	VI-ARM and FARM series VI-ARMw-xyzz-aa and FARM-wxyz-aa (see page 3 for model nomenclature)
Additional information (if necessary)	Certificate DE 3 – 501920 issued 2016-06-15 is replaced by this version due to technical changes
A sample of the product was tested and found to be in conformity with as shown in the Test Report Ref. No. which forms part of this certificate	IEC 62368-1:2018 72197110-000

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This CB Test Certificate is issued by the National Certification Body

CB 021433 0678 Rev. 00

Date, 2024-03-04

(William J. Stinson)

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany



Product Service

VI-ARM and FARM series

Vin = 115 / 230 Vac (90-132/180-264), 47-63Hz (47-880), 20A Max

Vout = 300 Vdc (180-375)

License conditions:

Special considerations – the following items are considerations that were used when evaluating these products.

The VI-ARM and FARM series of AC-DC converters are designed for building-in.

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 = EATON/Bussmann ABC-10 or a 10A Wickmann 194 / Littelfuse 216 Series.
7. 15A Fuse = EATON/Bussmann ABC-15, 20A Fuse = EATON/Bussmann ABC-20 (Condition 5 only)
8. Operation above 63 Hz may result in high touch current to be evaluated in end use product.



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Model Nomenclature:

VI-ARMw-xyzz-aa	
VI-ARM	Constant, Vicor Autoranging Rectifier Module
w =	B (Optional, non-safety related)
x =	Product Grade
	C = -20 to +100°C T = -40 to +100°C H = -40 to +100°C M = -55 to +100°C E = -10 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 T = -40 to +100°C H = -40 to +100°C M = -55 to +100°C E = -10 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)

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