



Ref. Certif. No.

DE 3 - 502225

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

Name and address of the applicant
Nom et adresse du demandeur

Name and address of the manufacturer
Nom et adresse du fabricant

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

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

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

Type of Manufacturer's Testing Laboratories used
Type de programme du laboratoire d'essais constructeur

Model/type Ref.
Ref. de type

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

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

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

DC converter
DC-DC Converter

Vicor Corporation
25 Frontage Road
Andover MA 01810, USA

Vicor Corporation
25 Frontage Road, Andover MA 01810, USA

Vicor Inc.
400 Federal Street, Andover MA 01810, USA
For further information please see attachment

Rated Input Voltage: 400 V DC Max.
Rated Output voltage: 95 V DC
Rated Output Power: 300 W Max.
Protection Class: I
Degree of Protection: IPX0

VICOR

CTF Stage 3

VI-J00 (MiniMod) and Mega/Master Jr. Series
(see certificate attachments for nomenclature breakdown and ratings.)

Certificate DE 3 – 500255 issued 2013-04-25 is replaced by this version due to technical changes

IEC 60950-1:2005
IEC 60950-1:2005/AMD1:2009
IEC 60950-1:2005/AMD2:2013

72122364-000

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

Date, 2017-01-12
CB 17 01 21433 503

William Stinson



TÜV SÜD Product Service GmbH · Certification Body · Ridlerstrasse 65 · D-80339 München

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Attachment to Certificate CB 17 01 21433 503

Name and address of the
manufacturer
Nom et adresse du fabricant

Vicor Corporation (#21433)
25 Frontage Road
Andover, MA. 01810, USA

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

Vicor Corporation (#67768)
400 Federal Street
Andover, MA 01810 USA

Integran Inc. Iwate Factory (#16555)
Aza- shimokiroku 321, Senmaya, Senmaya-cho
Ichinoseki-shi, Iwate-ken 029-0803 Japan

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VI-J00 (MiniMod) DC-DC converter model matrix: VI-Jbc-de-xx

VI = Product Type

VI = (Vicor), VI =VE (Vicor RoHS), VI =IP (VJCL), VI =IE (VJCL RoHS), VI =MI (MIL COTS)

J = Constant

Jr. for half size brick dc-dc module

b Input Voltage (Vdc)

Nominal (range)	Nominal (range)	Nominal (range)
0 = 12 (10-20)	3 = 48 (42-60)	F = 165 (130-260)
V = 24 (10-36)	N = 48 (36-76)	5 = 150 (100-200)
1 = 24 (21-32)	4 = 72 (55-100)	6 = 300 (200-400)
W = 24 (18-36)	T = 110 (66-160)	7 = 225 (100-375)
2 = 36 (21-56)		

c Output Voltage (Vdc)

Designator	Output VDC	Designator	Output VDC
Z	2.0	2	15.0
Y	3.3	N	18.5
0	5.0	3	24.0
X	5.2	L	28.0
W	5.5	J	36.0
V	5.8	K	40.0
T	6.5	4	48.0
R	7.5	H	52.0
M	10.0	F	72.0
1	12.0	D	85.0
P	13.8	B	95.0

d Product Grade

E = Economy	-10C to 100 °C
C = Commercial	-25C to 100 °C
I = Industrial	-40C to 100 °C
M = Military	-55C to 100 °C

e Output Power

A =	10W
Z =	25W
Y =	50W
X =	75W
W =	100W

xx Heatsink Options / Specials (optional)

F1-F7 =	FinMOD (Heatsink)
S =	SlimMOD (Flangeless Package)
TM =	TachoMOD (Non-safety related secondary component changes)
B1 =	BusMod ruggedized chassis screw / lug wiring
00-99	Customer special, unique label or testing, non-safety related changes, d and e are optional for specials

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DC-DC Configurable MegaMod Jr. / MasterMod Jr. Model Matrix: VI-aJbccc-deee-xx

VI = Product Type

VI = (Vicor), VI = VE (Vicor RoHS), VI = MI (MIL COTS)

a Product Configuration

Configuration	No. of modules / outputs	Pout max
L =	1 module, single output	100W
P =	2 modules, dual output	200W
R =	3 modules, triple output	300W

J = Constant

Jr. for half size dc-dc modules

b Input Voltage (Vdc)

Nominal (range)	Nominal (range)	Nominal (range)
0 = 12 (10-20)	3 = 48 (42-60)	F = 165 (130-260)
V = 24 (10-36)	N = 48 (36-76)	5 = 150 (100-200)
1 = 24 (21-32)	4 = 72 (55-100)	6 = 300 (200-400)
W = 24 (18-36)	T = 110 (66-160)	7 = 225 (100-375)
2 = 36 (21-56)		

ccc Output Voltage (Vdc) 1 to 3 separate outputs

Designator	Output VDC	Designator	Output VDC
Z	2.0	2	15.0
Y	3.3	N	18.5
0	5.0	3	24.0
X	5.2	L	28.0
W	5.5	J	36.0
V	5.8	K	40.0
T	6.5	4	48.0
R	7.5	H	52.0
M	10.0	F	72.0
1	12.0	D	85.0
P	13.8	B	95.0

d Product Grade

E = Economy	-10C to 100 °C
C = Commercial	-25C to 100 °C
I = Industrial	-40C to 100 °C
M = Military	-55C to 100 °C

eee Output Power max (* = R for 3 modules, P for 2 modules, L for 1 module)

Mega/Master Jr. Series No.	Max Pout Assembly	Max Pout Module			
VI-*J7xxx-xxxx	225W	75W	VI-*J3xxx-xxxx	300W	100W
VI-*J6xxx-xxxx	300W	100W	VI-*J2xxx-xxxx	225W	75W
VI-*J5xxx-xxxx	300W	100W	VI-*JWxxx-xxxx	300W	100W
VI-*JTxxx-xxxx	300W	100W	VI-*J1xxx-xxxx	300W	100W
VI-*J4xxx-xxxx	300W	100W	VI-*JVxxx-xxxx	150W	50W
VI-*JNxxx-xxxx	300W	100W	VI-*J0xxx-xxxx	225W	75W
VI-*J0xxx-xxxx	225W	75W			

xx Options / Specials

00-99	Customer special, unique label or testing, non-safety related changes, d and e are optional for specials
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Attachment to Certificate CB 17 01 21433 503
MegaMod Jr. / MasterMod Jr. Series DC-DC Configurable
MODULE SAFETY INSTRUCTION SHEET

- Input Voltage:** Nameplate rating is the nominal input voltage. Vicor guarantees continuous operation over the entire specified voltage range.
- Baseplate Grounding:** A ground connection from baseplate to earth / chassis ground is required if baseplate is operator accessible
- Max Temperature:** Keep the maximum baseplate temperature at 100°C or less measured at the center of the module or the middle mounting slot (negative pin side). Do not exceed 100°C under any condition.
- Over temperature:** If the baseplate temperature exceeds 100°C the module may be damaged.
- Output Voltage Trimming:** The module has a maximum allowable Trim of 110% of rated output voltage. Do not exceed maximum power output of the module. When trimmed down the maximum output current remains constant.
- Secondary outputs:** 40V and below comply with SELV. Outputs 40V to 60V are considered ELV and output voltages 61V to 95Vdc are considered hazardous secondary.

Fusing Requirements: See table for Input fusing

Nominal Input Voltage (Range)	Max P-out (Pout/module)	MasterMod Jr. Series No.	Input Fuse (Max)		
			3 module Config: RJ	2 module Config: PJ	1 module Config: LJ
150Vdc (100-375)	225W (75W)	VI-xJ7xxx-xxxx	PC-Tron 3A	PC-Tron 3A	PC-Tron 2.5A
300Vdc (200-400)	300W (100W)	VI-xJ6xxx-xxxx	PC-Tron 3A	PC-Tron 3A	PC-Tron 3A
150Vdc (100-200)	300W (100W)	VI-xJ5xxx-xxxx	PC-Tron 5A	PC-Tron 5A	PC-Tron 5A
110Vdc (66-160)	300W (100W)	VI-xJTxxx-xxxx	8A, 125V	PC-Tron 5A	PC-Tron 5A
72Vdc (55-100)	300W (100W)	VI-xJ4xxx-xxxx	10A, 125V	8A, 125V	PC-Tron 5A
48Vdc (36-76)	300W (100W)	VI-xJNxxx-xxxx	10A, 125V	8A, 125V	PC-Tron 5A
48Vdc (42-60)	300W (100W)	VI-xJ3xxx-xxxx	10A, 125V	8A, 125V	PC-Tron 5A
36Vdc (21-56)	225W (75W)	VI-xJ2xxx-xxxx	10A, 125V	8A, 125V	PC-Tron 5A
24Vdc (18-36)	300W (100W)	VI-xJWxxx-xxxx	20A, 125V	12A, 125V	8A, 125V
24Vdc (21-32)	300W (100W)	VI-xJ1xxx-xxxx	20A, 125V	12A, 125V	8A, 125V
24Vdc (10-36)	150W (50W)	VI-xJVxxx-xxxx	20A, 125V	10A, 125V	8A, 125V
12Vdc (10-20)	225W (75W)	VI-xJ0xxx-xxxx	20A, 125V	15A, 125V	8A, 125V

Refer to Vicor's Applications Manual for information on proper use of modules.

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