Ref. Certif. No.

DE 3 - ITAV2202

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 DC-DC converter
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: 425 V DC max Rated Input Current: 6.25 A Rated Output Voltage: 54 VDC max Rated Predefined Output: 2, 3.3, 5, 6.5, 8, 12, 15, 24, 28, 32, 36, 48, 54 Rated Output Power: 600 W (Maxi) 300 W (Mini) 150 W (Micro) Degree of Protection: IPX0 (see pg 2-12 for additional models and electrical ratings)
Trademark / Brand (if any)	VICOR
Customer's Testing Facility (CTF) Stage used	CTF STAGE 3
Model/type Ref.	**Viiisxxyzzzw** Type: DC-DC Converter Module: Maxi, Mini, Micro
Additional information (if necessary)	Certificate DE 3 – ITAV1153 issued 2021-12-17 is replaced by this version due to technical changes
A sample of the product was tested and found to be in conformity with	IEC 62368-1:2018
as shown in the Test Report Ref. No. which forms part of this certificate	72173082-100

This CB Test Certificate is issued by the National Certification Body

CB 021433 0645 Rev. 01

Date, 2025-03-26

(William Stinson)

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

Viiisxxyzzzw
V24 series
Vicor DC-DC Converters Maxi, Mini, Micro

Sample model number: V24A12C400B

V = Standard, S = Synchronous

iii = Vin Nominal (Range)	**s = Size** A, B, C	**xx = Output Voltage** (Alpha-numeric combination up to 3 characters, V is used as the decimal separator)											
		-	3V3	5	6V5	8	12	15	24	28	32	36	48	54
		zzz = Output Power in Watts (Max) (Alpha-numeric combination up to 3 characters)												
24 Vdc (18-36)	A = Maxi	-	300	500	500	500	500	500	500	500	500	500	500	500
24 Vdc (18-36)	B = Mini	-	150	200	200	200	250	250	250	250	250	250	250	250
24 Vdc (18-36)	C = Micro	-	100	125	125	150	150	150	150	150	150	150	150	150

y= Product Grade	
E = Economy –10C to 100C	C = Commercial -20C to 100C
M = Military -55C to 100C	T or H = Industrial -40C to 100C

w = Functionality: Bxyz
(alphanumeric combination up to 4 characters, non-safety related, non-inclusive list of examples below)

	x = Pin Style	y = Baseplate	z = T
B = constant	Blank = Short Solder	Blank = Slotted	T = Thermscreen
	L = Long Solder	2 = Threaded	
	S = Short Modumate	3 = Thru hole	
	N = Long Modumate		
	F = Short RoHS		
	G = Long RoHS		
	K = Extra Long RoHS		

Customer Specials: Viiisxxyzzzw may be replaced by VI-bxxxxxw		
VI = non-RoHS		VE = RoHS version
b =	Size	7 = Micro, 8 = Mini, 9 = Maxi
xxxxx =	0 - 9	Denotes a unique customer number that represents a module that falls within the electrical parameters of the parent family module, (Voltage, Current, Power, Fusing.)
w =	Functionality	Bxyz

Examples:
VE-7xxxxxw, Micro module with Vin = 24 Vdc (18-36), Vout = 54V Max, and Max Pout = 150W
VE-8xxxxxw, Mini module with Vin = 24 Vdc (18-36), Vout = 54V Max, and Max Pout = 250W
VE-9xxxxxw, Maxi module with Vin = 24 Vdc (18-36), Vout = 54V Max, and Max Pout = 500W

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

Viiisxxyzzzw
V28 series
Vicor DC-DC Converters Maxi, Mini, Micro

Sample model number: V28A12C200B

V = Standard, S = Synchronous

iii = Vin Nominal (Range)	**s = Size** A, B, C	**xx = Output Voltage** (Alpha-numeric combination up to 3 characters, V is used as the decimal separator)												
		-	3V3	5	6V5	8	12	15	24	28	32	36	48	54
		zzz = Output Power in Watts (Max) (Alpha-numeric combination up to 3 characters)												
28 Vdc (9-36)	A = Maxi	-	150	200	200	200	200	200	200	200	200	200	200	200
28 Vdc (9-36)	B = Mini	-	50	75	75	75	150	150	150	150	150	150	150	150
28 Vdc (9-36)	C = Micro	-	50	50	60	75	100	100	100	100	100	100	100	100

y= Product Grade	
E = Economy –10C to 100C	C = Commercial -20C to 100C
M = Military -55C to 100C	T or H = Industrial -40C to 100C

w = Functionality: Bxyz
(alphanumeric combination up to 4 characters, non-safety related, non-inclusive list of examples below)

	x = Pin Style	y = Baseplate	z = T
B = constant	Blank = Short Solder	Blank = Slotted	T = Thermscreen
	L = Long Solder	2 = Threaded	
	S = Short Modumate	3 = Thru hole	
	N = Long Modumate		
	F = Short RoHS		
	G = Long RoHS		
	K = Extra Long RoHS		

Customer Specials: Viiisxxyzzzw may be replaced by VI-bxxxxxw		
VI = non-RoHS		VE = RoHS version
b =	Size	7 = Micro, 8 = Mini, 9 = Maxi
xxxxx =	0 - 9	Denotes a unique customer number that represents a module that falls within the electrical parameters of the parent family module, (Voltage, Current, Power, Fusing.)
w =	Functionality	Bxyz

Examples:
VE-7xxxxxw, Micro module with Vin = 28 Vdc (9-36), Vout = 54V Max, and Max Pout = 100W
VE-8xxxxxw, Mini module with Vin = 28 Vdc (9-36), Vout = 54V Max, and Max Pout = 150W
VE-9xxxxxw, Maxi module with Vin = 28 Vdc (9-36), Vout = 54V Max, and Max Pout = 200W

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

Viiisxxyzzzw
V48 series
Vicor DC-DC Converters Maxi, Mini, Micro

Sample model number: V48A12C500B

V = Standard, S = Synchronous

iii = Vin Nominal (Range)	**s = Size** A, B, C	**xx = Output Voltage** (Alpha-numeric combination up to 3 characters, V is used as the decimal separator)											
		2	3V3	5	6V5	8	12	15	24	28	32	36	48	54
		zzz = Output Power in Watts (Max) (Alpha-numeric combination up to 3 characters)												
48 Vdc (36-75)	A = Maxi	-	264	400	400	500	500	500	500	500	500	500	500	500
48 Vdc (36-75)	B = Mini	100	150	200	200	200	300	300	300	300	300	300	300	300
48 Vdc (36-75)	C = Micro	50	75	100	100	150	150	150	150	150	150	150	150	150

y= Product Grade	
E = Economy –10C to 100C	C = Commercial -20C to 100C
M = Military -55C to 100C	T or H = Industrial -40C to 100C

w = Functionality: Bxyz
(alphanumeric combination up to 4 characters, non-safety related, non-inclusive list of examples below)

	x = Pin Style	y = Baseplate	z = T
B = constant	Blank = Short Solder	Blank = Slotted	T = Thermscreen
	L = Long Solder	2 = Threaded	
	S = Short Modumate	3 = Thru hole	
	N = Long Modumate		
	F = Short RoHS		
	G = Long RoHS		
	K = Extra Long RoHS		

Customer Specials: Viiisxxyzzzw may be replaced by VI-bxxxxxw		
VI = non-RoHS		VE = RoHS version
b =	Size	7 = Micro, 8 = Mini, 9 = Maxi
xxxxx =	0 - 9	Denotes a unique customer number that represents a module that falls within the electrical parameters of the parent family module, (Voltage, Current, Power, Fusing.)
w =	Functionality	Bxyz

Examples:
VE-7xxxxxw, Micro module with Vin = 48 Vdc (36-75), Vout = 54V Max, and Max Pout = 150W
VE-8xxxxxw, Mini module with Vin = 48 Vdc (36-75), Vout = 54V Max, and Max Pout = 250W
VE-9xxxxxw, Maxi module with Vin = 48 Vdc (36-75), Vout = 54V Max, and Max Pout = 500W

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

Viiisxxyzzzw
V72 series
Vicor DC-DC Converters Maxi, Mini, Micro

Sample model number: V72A12C400B

V = Standard, S = Synchronous

iii = Vin Nominal (Range)	**s = Size** A, B, C	**xx = Output Voltage** (Alpha-numeric combination up to 3 characters, V is used as the decimal separator)											
		-	3V3	5	6V5	8	12	15	24	28	32	36	48	54
		zzz = Output Power in Watts (Max) (Alpha-numeric combination up to 3 characters)												
72 Vdc (43-110)	A = Maxi	-	264	300	300	300	400	400	400	400	400	400	400	400
72 Vdc (43-110)	B = Mini	-	100	150	150	150	250	250	250	250	250	250	250	250
72 Vdc (43-110)	C = Micro	-	75	100	100	100	130	150	150	150	150	150	150	150

y= Product Grade	
E = Economy –10C to 100C	C = Commercial -20C to 100C
M = Military -55C to 100C	T or H = Industrial -40C to 100C

w = Functionality: Bxyz
(alphanumeric combination up to 4 characters, non-safety related, non-inclusive list of examples below)

	x = Pin Style	y = Baseplate	z = T
B = constant,	Blank = Short Solder	Blank = Slotted	T = Thermscreen
	L = Long Solder	2 = Threaded	
	S = Short Modumate	3 = Thru hole	
	N = Long Modumate		
	F = Short RoHS		
	G = Long RoHS		
	K = Extra Long RoHS		

Customer Specials: Viiisxxyzzzw may be replaced by VI-bxxxxxw		
VI = non-RoHS		VE = RoHS version
b =	Size	7 = Micro, 8 = Mini, 9 = Maxi
xxxxx =	0 - 9	Denotes a unique customer number that represents a module that falls within the electrical parameters of the parent family module, (Voltage, Current, Power, Fusing.)
w =	Functionality	Bxyz

Examples:
VE-7xxxxxw, Micro module with Vin = 72 Vdc (43-110), Vout = 54V Max, and Max Pout = 150W
VE-8xxxxxw, Mini module with Vin = 72 Vdc (43-110), Vout = 54V Max, and Max Pout = 250W
VE-9xxxxxw, Maxi module with Vin = 72 Vdc (43-110), Vout = 54V Max, and Max Pout = 400W

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

Viiisxxyzzzw
V110 series
Vicor DC-DC Converters Maxi, Mini, Micro

Sample model number: V110A12C400B

V = Standard, S = Synchronous

iii = Vin Nominal (Range)	**s = Size** A, B, C	**xx = Output Voltage** (Alpha-numeric combination up to 3 characters, V is used as the decimal separator)											
		-	3V3	5	6V5	8	12	15	24	28	32	36	48	54
		zzz = Output Power in Watts (Max) (Alpha-numeric combination up to 3 characters)												
110 Vdc (66-154)	A = Maxi	-	200	300	300	300	400	400	400	400	400	400	400	400
110 Vdc (66-154)	B = Mini	-	100	150	150	150	200	200	200	200	200	200	200	200
110 Vdc (66-154)	C = Micro	-	50	75	75	75	100	100	100	100	100	100	100	100

y= Product Grade	
E = Economy –10C to 100C	C = Commercial -20C to 100C
M = Military -55C to 100C	T or H = Industrial -40C to 100C

w = Functionality: Bxyz (alphanumeric combination up to 4 characters, non-safety related, non-inclusive list of examples below)			
	x = Pin Style	y = Baseplate	z = T
B = constant	Blank = Short Solder	Blank = Slotted	T = Thermscreen
	L = Long Solder	2 = Threaded	
	S = Short Modumate	3 = Thru hole	
	N = Long Modumate		
	F = Short RoHS		
	G = Long RoHS		
	K = Extra Long RoHS		

Customer Specials: Viiisxxyzzzw may be replaced by VI-bxxxxxw		
VI = non-RoHS		VE = RoHS version
b =	Size	7 = Micro, 8 = Mini, 9 = Maxi
xxxxx =	0 - 9	Denotes a unique customer number that represents a module that falls within the electrical parameters of the parent family module, (Voltage, Current, Power, Fusing.)
w =	Functionality	Bxyz

Examples:
VE-7xxxxxw, Micro module with Vin = 110 Vdc (66-154), Vout = 54V Max, and Max Pout = 100W
VE-8xxxxxw, Mini module with Vin = 110 Vdc (66-154), Vout = 54V Max, and Max Pout = 200W
VE-9xxxxxw, Maxi module with Vin = 110 Vdc (66-154), Vout = 54V Max, and Max Pout = 400W

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

Viiisxxyzzzw
V150 series
Vicor DC-DC Converters Maxi, Mini, Micro

Sample model number: V150A12C500B

V = Standard, S = Synchronous

iii = Vin Nominal (Range)	**s = Size** A, B, C	**xx = Output Voltage** (Alpha-numeric combination up to 3 characters, V is used as the decimal separator)											
		-	3V3	5	6V5	8	12	15	24	28	32	36	48	54
		zzz = Output Power in Watts (Max) (Alpha-numeric combination up to 3 characters)												
150 Vdc (100-200)	A = Maxi	-	264	400	400	400	500	500	500	500	500	500	500	500
150 Vdc (100-200)	B = Mini	-	150	200	200	200	250	250	250	250	250	250	250	250
150 Vdc (100-200)	C = Micro	-	75	100	100	100	150	150	150	150	150	150	150	150

y= Product Grade	
E = Economy –10C to 100C	C = Commercial -20C to 100C
M = Military -55C to 100C	T or H = Industrial -40C to 100C

w = Functionality: Bxyz
(alphanumeric combination up to 4 characters, non-safety related, non-inclusive list of examples below)

	x = Pin Style	y = Baseplate	z = T
B = constant	Blank = Short Solder	Blank = Slotted	T = Thermscreen
	L = Long Solder	2 = Threaded	
	S = Short Modumate	3 = Thru hole	
	N = Long Modumate		
	F = Short RoHS		
	G = Long RoHS		
	K = Extra Long RoHS		

Customer Specials: Viiisxxyzzzw may be replaced by VI-bxxxxxw		
VI = non-RoHS		VE = RoHS version
b =	Size	7 = Micro, 8 = Mini, 9 = Maxi
xxxxx =	0 - 9	Denotes a unique customer number that represents a module that falls within the electrical parameters of the parent family module, (Voltage, Current, Power, Fusing.)
w =	Functionality	Bxyz

Examples:
VE-7xxxxxw, Micro module with Vin = 150 Vdc (100-200), Vout = 54V Max, and Max Pout = 150W
VE-8xxxxxw, Mini module with Vin = 150 Vdc (100-200), Vout = 54V Max, and Max Pout = 250W
VE-9xxxxxw, Maxi module with Vin = 150 Vdc (100-200), Vout = 54V Max, and Max Pout = 500W

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

Viiisxxyzzzw
V300 series
Vicor DC-DC Converters Maxi, Mini, Micro

Sample model number: V300A12C500B

V = Standard, S = Synchronous

iii = Vin Nominal (Range)	**s = Size** A, B, C	**xx = Output Voltage** (Alpha-numeric combination up to 3 characters, V is used as the decimal separator)											
		2	3V3	5	6V5	8	12	15	24	28	32	36	48	54
		zzz = Output Power in Watts (Max) (Alpha-numeric combination up to 3 characters)												
300 Vdc (180-375)	A = Maxi	160	264	400	400	400	500	500	500	500	500	500	500	500
300 Vdc (180-375)	B = Mini	100	150	200	200	200	250	250	250	250	250	250	250	250
300 Vdc (180-375)	C = Micro	50	75	100	100	100	150	150	150	150	150	150	150	150

y= Product Grade	
E = Economy –10C to 100C	C = Commercial -20C to 100C
M = Military -55C to 100C	T or H = Industrial -40C to 100C

w = Functionality: Bxyz (alphanumeric combination up to 4 characters, non-safety related, non-inclusive list of examples below)			
	x = Pin Style	y = Baseplate	z = T
B = constant	Blank = Short Solder	Blank = Slotted	T = Thermscreen
	L = Long Solder	2 = Threaded	
	S = Short Modumate	3 = Thru hole	
	N = Long Modumate		
	F = Short RoHS		
	G = Long RoHS		
	K = Extra Long RoHS		

Customer Specials: Viiisxxyzzzw may be replaced by VI-bxxxxxw		
VI = non-RoHS		VE = RoHS version
b =	Size	7 = Micro, 8 = Mini, 9 = Maxi
xxxxx =	0 - 9	Denotes a unique customer number that represents a module that falls within the electrical parameters of the parent family module, (Voltage, Current, Power, Fusing.)
w =	Functionality	Bxyz

Examples:
VE-7xxxxxw, Micro module with Vin = 300 Vdc (180-375), Vout = 54V Max, and Max Pout = 150W
VE-8xxxxxw, Mini module with Vin = 300 Vdc (180-375), Vout = 54V Max, and Max Pout = 250W
VE-9xxxxxw, Maxi module with Vin = 300 Vdc (180-375), Vout = 54V Max, and Max Pout = 500W

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(William Stinson)

Viiisxxyzzzw
V375 series
Vicor DC-DC Converters Maxi, Mini, Micro

Sample model number: V375A12C600B

V = Standard, S = Synchronous

iii = Vin Nominal (Range)	**s = Size** A, B, C	**xx = Output Voltage** (Alpha-numeric combination up to 3 characters, V is used as the decimal separator)												
		2	3V3	5	6V5	8	12	15	24	28	32	36	48	54
		zzz = Output Power in Watts (Max) (Alpha-numeric combination up to 3 characters)												
375 Vdc (250-425)	A = Maxi	160	264	400	400	400	600	600	600	600	600	600	600	600
375 Vdc (250-425)	B = Mini	100	150	200	200	200	300	300	300	300	300	300	300	300
375 Vdc (250-425)	C = Micro	50	75	100	100	100	150	150	150	150	150	150	150	150

y= Product Grade	
E = Economy –10C to 100C	C = Commercial -20C to 100C
M = Military -55C to 100C	T or H = Industrial -40C to 100C

w = Functionality: Bxyz
(alphanumeric combination up to 4 characters, non-safety related, non-inclusive list of examples below)

	x = Pin Style	y = Baseplate	z = T
B = constant	Blank = Short Solder	Blank = Slotted	T = Thermscreen
	L = Long Solder	2 = Threaded	
	S = Short Modumate	3 = Thru hole	
	N = Long Modumate		
	F = Short RoHS		
	G = Long RoHS		
	K = Extra Long RoHS		

Customer Specials: Viiisxxyzzzw may be replaced by VI-bxxxxxw		
VI = non-RoHS		VE = RoHS version
b =	Size	7 = Micro, 8 = Mini, 9 = Maxi
xxxxx =	0 - 9	Denotes a unique customer number that represents a module that falls within the electrical parameters of the parent family module, (Voltage, Current, Power, Fusing.)
w =	Functionality	Bxyz

Examples:
VE-7xxxxxw, Micro module with Vin = 375 Vdc (250-425), Vout = 54V Max, and Max Pout = 150W
VE-8xxxxxw, Mini module with Vin = 375 Vdc (250-425), Vout = 54V Max, and Max Pout = 300W
VE-9xxxxxw, Maxi module with Vin = 375 Vdc (250-425), Vout = 54V Max, and Max Pout = 600W

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

Vicor DC-DC Converters Maxi, Mini, Micro series external fusing

Package Size	Input Voltage	Output Voltage	Output Power	Required Fuse	Alternate Fuse
Maxi (A)	375	2	160	BUSS PC-Tron 5A	-----
Maxi (A)	375	3.3	264	BUSS PC-Tron 5A	-----
Maxi (A)	375	5, 6.5, 8	400	BUSS PC-Tron 5A	-----
Maxi (A)	375	12, 15, 24, 28, 32, 36, 48, 54	600	BUSS PC-Tron 5A	-----
Mini (B)	375	2	100	BUSS PC-Tron 5A	-----
Mini (B)	375	3.3	150	BUSS PC-Tron 5A	-----
Mini (B)	375	5, 6.5, 8	200	BUSS PC-Tron 5A	-----
Mini (B)	375	12, 15, 24, 28, 32, 36, 48, 54	300	BUSS PC-Tron 5A	-----
Micro (C)	375	2	50	BUSS PC-Tron 3A	-----
Micro (C)	375	3.3	75	BUSS PC-Tron 3A	-----
Micro (C)	375	5, 6.5, 8	100	BUSS PC-Tron 3A	-----
Micro (C)	375	12, 15, 24, 28, 32, 36, 48, 54	150	BUSS PC-Tron 3A	-----
Maxi (A)	300	2	160	BUSS PC-Tron 5A	-----
Maxi (A)	300	3.3	264	BUSS PC-Tron 5A	-----
Maxi (A)	300	5, 6.5, 8	400	BUSS PC-Tron 5A	-----
Maxi (A)	300	12, 15, 24, 28, 32, 36, 48, 54	500	BUSS PC-Tron 5A	-----
Mini (B)	300	2	100	BUSS PC-Tron 5A	-----
Mini (B)	300	3.3	150	BUSS PC-Tron 5A	-----
Mini (B)	300	5, 6.5, 8	200	BUSS PC-Tron 5A	-----
Mini (B)	300	12, 15, 24, 28, 32, 36, 48, 54	250	BUSS PC-Tron 5A	-----
Micro (C)	300	2	50	BUSS PC-Tron 3A	-----
Micro (C)	300	3.3	75	BUSS PC-Tron 3A	-----
Micro (C)	300	5 ,6.5, 8	100	BUSS PC-Tron 3A	-----
Micro (C)	300	12, 15, 24, 28, 32, 36, 48, 54	150	BUSS PC-Tron 3A	-----
Maxi (A)	150	3.3	264	BUSS ABC-8	Littelfuse 505 10A
Maxi (A)	150	5, 6.5	400	BUSS ABC-8	Littelfuse 505 10A
Maxi (A)	150	8, 12, 15, 24, 28, 32, 36, 48, 54	500	BUSS ABC-8	Littelfuse 505 10A
Mini (B)	150	3.3	150	BUSS PC-Tron 5A	-----
Mini (B)	150	5, 6.5, 8	200	BUSS PC-Tron 5A	-----
Mini (B)	150	12, 15, 24, 28, 32, 36, 48, 54	250	BUSS PC-Tron 5A	-----
Micro (C)	150	3.3	75	BUSS PC-Tron 3A	-----
Micro (C)	150	5, 6.5, 8	100	BUSS PC-Tron 3A	-----
Micro (C)	150	12, 15, 24, 28, 32, 36, 48, 54	150	BUSS PC-Tron 3A	-----
Maxi (A)	110	3.3	200	BUSS ABC-8	Littelfuse 505 10A
Maxi (A)	110	5, 6.5, 8	300	BUSS ABC-8	Littelfuse 505 10A
Maxi (A)	110	12, 15, 24, 28, 32, 36, 48, 54	400	BUSS ABC-8	Littelfuse 505 10A
Mini (B)	110	3.3	100	BUSS PC-Tron 5A	-----
Mini (B)	110	5, 6.5, 8	150	BUSS PC-Tron 5A	-----
Mini (B)	110	12, 15, 24, 28, 32, 36, 48, 54	200	BUSS PC-Tron 5A	-----
Micro (C)	110	3.3	50	BUSS PC-Tron 3A	-----
Micro (C)	110	5, 6.5, 8	75	BUSS PC-Tron 3A	-----
Micro (C)	110	12, 15, 24, 28, 32, 36, 48, 54	100	BUSS PC-Tron 3A	-----

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(William Stinson)

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

Product Service

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

Vicor DC-DC Converters Maxi, Mini, Micro series external fusing

Package Size	Input Voltage	Output Voltage	Output Power	Required Fuse	Alternate Fuse
Maxi (A)	72	3.3	264	BUSS ABC-12	Littelfuse 505 12A
Maxi (A)	72	5, 6.5, 8	300	BUSS ABC-12	Littelfuse 505 12A
Maxi (A)	72	12, 15, 24, 28, 32, 36, 48, 54	400	BUSS ABC-12	Littelfuse 505 12A
Mini (B)	72	3.3,5, 6.5, 8	150	BUSS ABC-8	Littelfuse 505 10A
Mini (B)	72	12, 15, 24, 28, 32, 36, 48, 54	250	BUSS ABC-8	Littelfuse 505 10A
Micro (C)	72	3.3	75	BUSS PC-Tron 5A	-----
Micro (C)	72	5, 6.5, 8	100	BUSS PC-Tron 5A	-----
Micro (C)	72	12, 15, 24, 28, 32, 36, 48, 54	150	BUSS PC-Tron 5A	-----
Maxi (A)	48	3.3	264	BUSS ABC-10	Littelfuse 505 10A
Maxi (A)	48	5, 6.5, 8	400	BUSS ABC-15	Littelfuse 505 16A
Maxi (A)	48	12, 15, 24, 28, 32, 36, 48, 54	500	BUSS ABC-20	Littelfuse 505 20A
Mini (B)	48	2	100	BUSS PC-Tron 5A	
Mini (B)	48	3.3	150	BUSS ABC-8	Littelfuse 505 10A
Mini (B)	48	5, 6.5, 8	200	BUSS ABC-10	Littelfuse 505 10A
Mini (B)	48	12, 15, 24, 28, 32, 36, 48, 54	250	BUSS ABC-10	Littelfuse 505 10A
Mini (B)	48	12, 15, 24, 28, 32, 36, 48, 54	300	BUSS ABC-12	Littelfuse 505 12A
Micro (C)	48	2	50	BUSS PC-Tron 5A	-----
Micro (C)	48	3.3	75	BUSS PC-Tron 5A	-----
Micro (C)	48	5, 6.5	100	BUSS PC-Tron 5A	-----
Micro (C)	48	8	100	BUSS ABC-8	Littelfuse 505 10A
Micro (C)	48	12, 15, 24, 28, 32, 36, 48, 54	150	BUSS ABC-8	Littelfuse 505 10A
Maxi (A)	28	3.3	150	BUSS ABC-25	Littelfuse 505 25A
Maxi (A)	28	5	175	BUSS ABC-25	Littelfuse 505 25A
Maxi (A)	28	6.5, 8, 12, 15, 24, 28, 32, 36, 48, 54	200	BUSS ABC-30	Littelfuse 505 30A
Mini (B)	28	3.3, 5, 6.5, 8	75	BUSS ABC-15	Littelfuse 505 16A
Mini (B)	28	12	125	BUSS ABC-20	Littelfuse 505 20A
Mini (B)	28	15, 24, 28, 32, 36, 48, 54	150	BUSS ABC-25	Littelfuse 505 25A
Micro (C)	28	3.3, 5, 6.5, 8	50	BUSS ABC-8	Littelfuse 505 10A
Micro (C)	28	12, 15, 24, 28, 32, 36, 48, 54	100	BUSS ABC-15	Littelfuse 505 16A
Maxi (A)	24	3.3	264	BUSS ABC-25	Littelfuse 505 25A
Maxi (A)	24	5, 6.5, 8, 12, 15, 24, 28, 32, 36, 48,54	400	BUSS ABC-30	Littelfuse 505 30A
Maxi (A)	24	5, 6.5, 8, 12, 15, 24, 28, 32, 36, 48,54	500	BUSS AGC-40	-----
Mini (B)	24	3.3	150	BUSS ABC-15	Littelfuse 505 16A
Mini (B)	24	5, 6.5, 8, 12, 15, 24, 28, 32, 36, 48, 54	200	BUSS ABC-15	Littelfuse 505 16A
Mini (B)	24	5, 6.5, 8, 12, 15, 24, 28, 32, 36, 48, 54	250	BUSS ABC-20	Littelfuse 505 20A
Micro (C)	24	3.3	100	BUSS ABC-8	Littelfuse 505 10A
Micro (C)	24	5, 6.5, 8, 12, 15, 24, 28, 32, 36, 48, 54	100	BUSS ABC-10	Littelfuse 505 10A
Micro (C)	24	5, 6.5, 8, 12, 15, 24, 28, 32, 36, 48, 54	150	BUSS ABC-12	Littelfuse 505 12A

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License Conditions:

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

The Vicor DC-DC Converter Modules Maxi, Mini, Micro Model Viiisxxyzzzw are designed for building-in.

Conditions of Acceptability – When installed in the end use equipment, the following are among considerations to be made:

1. INPUT VOLTAGE: nameplate rating is a Nominal Input Voltage. Vicor guarantees continuous operation over the entire specified voltage range.
2. BASEPLATE GROUNDING: A ground connection from baseplate to earth / chassis ground is required if baseplate is operator accessible.
3. MAXIMUM BASEPLATE TEMPERATURE: Keep temperature of baseplate to 100°C or less, measured at the center of the baseplate in the end application.
4. FUSING REQUIREMENTS: To meet safety requirements, each module must be fused in series with the + Input lead. See fuse table for information on proper selection of fuse.
5. 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.
6. The DC-DC modules with output voltages above 60V are considered ES2.
7. The output is separated from the input by reinforced insulation.
8. SERIES OUTPUT: Series connection of outputs may not exceed +/- 200 volts. The output is separated by Basic insulation providing a maximum dielectric withstand capability of 2500.

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