



America

CERTIFICATE

No. U8V 16 09 21433 489

Holder of Certificate: Vicor Corporation

25 Frontage Road
Andover MA 01810
USA

Production Facility(ies): 67768

Certification Mark:



C US

Product: DC converter
DC to DC Switching Power Supplies

Model(s): Viiiixxyzzzw
2nd Gen FasTrak DC-DC Converters
Maxi, Mini and Micro Families
(see certificate attachment for model nomenclature,
ratings and license conditions.)

Parameters:

Rated Input Voltage:	375 V DC max
Rated Output Voltage:	54 V DC max
Rated Power:	600 W max
Protection Class:	II
Degree of Protection:	IPX0

Tested according to: CAN/CSA C22.2 No.60950-1:2007/A2:2014
UL 60950-1:2007/A2:2014
EN 60950-1:2006/A2:2013

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 17067. 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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Viiiisxyzzw V24 series
2nd Gen FasTrak DC-DC Converter Maxi, Mini, Micro Families

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)			
B = constant, defines Fastrak	x = Pin Style	y = Baseplate	z = T
	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			

Note: Viiiisxyzzw may be replaced by VI-bxxxxxw per customer special request

Customer Specials = VI-bxxxxxw

VI = Constant 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:

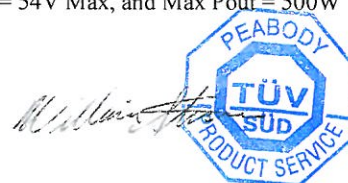
VE-7xxxxxw, Micro module with Vin = 24 Vdc (18-36), Vout = 54V Max, and Max Pout = 150W

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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Viiisxyzzw V28 series

2nd Gen FasTrak DC-DC Converter Maxi, Mini, Micro Families

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)			
B = constant, defines Fastrak	x = Pin Style	y = Baseplate	z = T
	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		

Note: Viiisxyzzw may be replaced by VI-bxxxxxw per customer special request

Customer Specials = VI-bxxxxxw

VI = Constant 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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Viiiisxyzzw V48 series

2nd Gen FasTrak DC-DC Converter Maxi, Mini, Micro Families

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)			
B = constant, defines Fastrak	x = Pin Style	y = Baseplate	z = T
	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		

Note: Viiiisxyzzw may be replaced by VI-bxxxxxw per customer special request

Customer Specials = VI-bxxxxxw

VI = Constant

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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Viiisxyzzzw V72 series

2nd Gen FasTrak DC-DC Converter Maxi, Mini, Micro Families

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)			
B = constant, defines Fastrak	x = Pin Style	y = Baseplate	z = T
	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		

Note: Viiisxyzzzw may be replaced by VI-bxxxxxw per customer special request

Customer Specials = VI-bxxxxxw

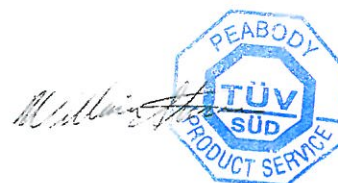
VI = Constant VE = RoHS version
 b = Size 7 = Micro, 8 = Mini, 9 = Maxi
 xxxxx = 0 - 9 Denotes a unique customer number that represents a module that falls within the electrical parameters of the parent family module, (Voltage, Current, Power, Fusing.)
 w = Functionality: Bxyz

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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Viiisxyzzzw V110 series

2nd Gen FasTrak DC-DC Converter Maxi, Mini, Micro Families

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
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)

B = constant, defines Fastrak	x = Pin Style	y = Baseplate	z = T
	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			

Note: Viiisxyzzzw may be replaced by VI-bxxxxxw per customer special request

Customer Specials = VI-bxxxxxw

VI = Constant

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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Viiiisxyzzw V150 series

2nd Gen FasTrak DC-DC Converter Maxi, Mini, Micro Families

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)			
B = constant, defines Fastrak	x = Pin Style	y = Baseplate	z = T
	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		

Note: Viiiisxyzzw may be replaced by VI-bxxxxw per customer special request

Customer Specials = VI-bxxxxw

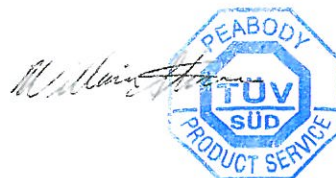
VI = Constant VE = RoHS version
 b = Size 7 = Micro, 8 = Mini, 9 = Maxi
 xxxxx = 0 - 9 Denotes a unique customer number that represents a module that falls within the electrical parameters of the parent family module, (Voltage, Current, Power, Fusing.)
 w = Functionality: Bxyz

Examples:

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

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Viiiisxyzzw V300 series
2nd Gen FasTrak DC-DC Converter Maxi, Mini, Micro Families

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)			
B = constant, defines Fastrak	x = Pin Style	y = Baseplate	z = T
	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		

Note: Viiiisxyzzw may be replaced by VI-bxxxxxw per customer special request

Customer Specials = VI-bxxxxxw

VI = Constant 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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Viiiisxyzzw V375 series

2nd Gen FasTrak DC-DC Converter Maxi, Mini, Micro Families

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

Note: Viiiisxyzzw may be replaced by VI-bxxxxxw per customer special request

Customer Specials = VI-bxxxxxw

VI = Constant 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:

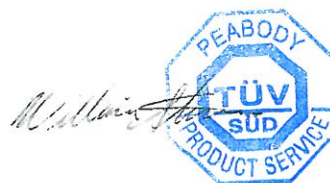
VE-7xxxxxw, Micro module with Vin = 375 Vdc (250-425), Vout = 54V Max, and Max Pout = 150W
 VE-8xxxxxw, Mini module with Vin = 375 Vdc (250-425), Vout = 54V Max, and Max Pout = 300W
 VE-9xxxxxw, Maxi module with Vin = 375 Vdc (250-425), Vout = 54V Max, and Max Pout = 600W

Customer Special Exceptions: Denotes a unique customer number that represents a module that extends the electrical parameters of the parent family module, (Voltage, Current, Power, Fusing.)

VE-920094B, Maxi module, Vin = 375 Vdc (280-400), Vout = 24V, Pout = 672W, Fuse = Buss PC-Tron 5A
 VE-920171B, Maxi module, Vin = 375 Vdc (250-440), Vout = 24V, Pout = 600W, Fuse = Buss PC-Tron 5A, Littelfuse 505, 10A

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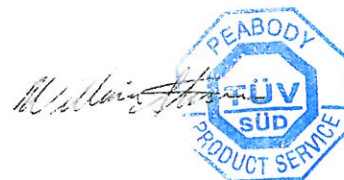


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2nd Gen FasTrak DC-DC Converter Maxi, Mini, Micro Families external fusing

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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America

2nd Gen FasTrak DC-DC Converter Maxi, Mini, Micro Families 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

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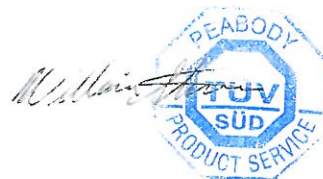
America

2nd Gen FasTrak DC-DC Converter Maxi, Mini, Micro Families external fusing

<u>Package Size</u>	<u>Input Voltage</u>	<u>Output Voltage</u>	<u>Output Power</u>	<u>Required Fuse</u>	<u>Alternate Fuse</u>
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 2nd Gen FasTrak family of DC-DC converters 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 Input 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 61-95V are not considered SELV.
7. Outputs above 240 Watts are considered to be at a hazardous energy level.
8. The output is separated from the input by reinforced insulation.
9. SERIES OUTPUT: Series connection of outputs may not exceed +/- 200 volts. The output is separated by Basic insulation providing a max dielectric withstand capability of 2250.

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