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America

CERTIFICATE

No. U8V 18 04 21433 568

Holder of Certificate: **Vicor Corporation**
25 Frontage Road
Andover MA 01810
USA

Production Facility(ies): 67768

Certification Mark:

C US

Product:
Converter
DC-DC Configurable Power Supply

Model(s):
ComPAC Series
Model matrix: VI-aCbccc-deee-ff
(see certificate attachment for model number matrix, ratings and License Conditions)

Parameters:

Rated Input Voltage:	24, 48 or 300 V DC
Rated Input Current:	31.21 A max
Rated Output Voltage:	2 to 95 V DC
Rated Output Power:	600 W max
Protection Class:	I
Degree of Protection:	IPX0

Tested according to:
CAN/CSA C22.2 No.60950-1:2007/A2:2014
UL 60950-1:2007/R:2014-10
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 any way. 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.

Test report no.: 72134707-000

Date, 2018-04-06

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TÜV®

Attachment to Certificate U8V 18 04 21433 568

America

Vicor Corporation
25 Frontage Road
Andover, MA 01810

ComPAC
Model Number Matrix: VI - aCbccc - deee - ff

VI = Product Type
VI = (Vicor)
VE = (Vicor RoHS)
MI = MIL-COTS

a = Module Configuration	
L	1 module, 1 output (1-Up)
M	Up to 2 modules, 1 output (2-Up)
N	Up to 3 modules, 1 output (3-Up)
P	Up to 2 modules, 2 outputs (2-Up)
Q	Up to 3 modules, 2 outputs (3-Up)
R	Up to 3 modules, 3 outputs (3-Up)

b = Input voltage nominal (range) / Max current		
1	24Vdc (21-32)	26.7A
2	28Vdc (18-50)	20.8A
W	24Vdc (18-36)	31.2A
3	48Vdc (42-60)	18.0A
N	48Vdc (36-76)	20.8A
6	300Vdc (200-400)	3.9A

C = Constant, ComPAC series

ccc Output Voltage

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	-10°C to 85°C
C = Commercial	-25°C to 85°C
I = Industrial	-40°C to 85°C
M = MILCOTS	-55°C to 85°C

eee Output Power

M =	600W	V =	150W
P =	450W	W =	100W
Q =	400W	X =	75W
S =	300W	Y =	50W
U =	200W	Z =	25W

Vin (nom)	Total Output Power (max)		
	1-Up	2-Up	3-Up
24V	150W	300W	450W
48V	200W	400W	600W
300V	200W	400W	600W

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25 Frontage Road
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ComPAC
Model Number Matrix: VI - aCbccc - deee – ff (cont)

ff = Customer Options (optional, non-safety related) non-inclusive list below
BM = BatMOD
CC = Conduction Cooled
H1 = Extended heatsink
00-99 = denotes unique customer model

Example: VI-PC601-CUX-23
VI = Vicor
P = 2Up (2 modules, 2 outputs)
C = ComPAC
6 = 300Vdc Input
0 = 5V output 1
1 = 12V output 2
C= Commercial product grade
U = 200W output 1 (5V)
X = 75W output 2 (12V)
23 = Customer Code

License Conditions:

1. The ComPAC series component power supplies equipment are intended for building-in.
2. The Maximum operating case temperature in the end application is 85°C.
3. Maximum output power is 1-Up = 200W, 2-Up = 400W, 3-Up = 600 W.
   See design guide for de-rating information.
4. Outputs greater than 240 VA are considered to be a hazardous energy level.
5. Outputs from 2 to 60 Vdc meet the requirements for SELV.
   Outputs greater than 60 Vdc are considered non-SELV
6. The electrical and fire enclosures are provided by the end product.
7. Recommended Fusing

Nominal Input Voltage	Fuse Rating		
	1-Up	2-Up	3-Up
	200W LC series	400W MC, PC series	600W NC QC RC series
24 V	10 A/32 V	20 A/32 V	30 A /32 V
24 V (wide)	12 A/32 V	20 A/32 V	30 A /32 V
28 V (MILCOTS)	10 A/250 V	20 A/250 V	30 A/125 V
48 V	8 A/60 V	15 A/60 V	25 A/60 V
48 V (wide)	6 A/100 V	15 A/100 V	25 A/100 V
270 V (MILCOTS)	2 A/250 V	4 A/250 V	8 A/420 V
300 V	2 A/250 V	4 A/250 V	8 A/420 V

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PEABODY TÜV SÜD PRODUCT SERVICE