ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

America

C E R T I F I C A T E

No. U8V 021433 0637 Rev. 00

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

Certification Mark:

Product: Audio/Video, Information and Communication technology equipment
DC-DC Configurable Power Supply

This product was voluntarily tested to the relevant safety requirements referenced on this certificate. 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.: 72172670-000

Date, 2021-10-25

(William J. Stinson)

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America

C E R T I F I C A T E

No. U8V 021433 0637 Rev. 00

Model(s): **VI-aCbccc-deee-ff**
Type: ComPAC Series

Brand Name: **VICOR**

Tested according to: CAN/CSA-C22.2 No. 62368-1:2019
UL 62368-1:2019

Parameters:

Rated Input Voltage:	24 VDC, 28 VDC, 48 VDC or 300 VDC
Rated Input Current:	31.2 A max
Rated Output Voltage:	2 – 95 V DC
Rated Output Power:	600 W max
Protection Class:	I
Degree of Protection:	IPX0

License Conditions:

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

The ComPAC series of configurable DC-DC power supplies are designed for building-in.

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

1. The Maximum operating case temperature in the end application is 85°C.

2. Maximum output power is limited by input voltage and the number of Vicor dc-dc converters, see table

Input Voltage	Total Output Power (max)		
	1-Up	2-Up	3-Up
24Vdc	150W	300W	450W
28Vdc	100W	200W	300W
48Vdc	200W	400W	600W
300Vdc	200W	400W	600W

3. Outputs from 2 to 60 Vdc meet the requirements for ES1. Outputs greater than 60 Vdc are considered non-ES1

4. The electrical and fire enclosures are provided by the end product.

5. Recommended Fusing

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

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America

C E R T I F I C A T E

No. U8V 021433 0637 Rev. 00

ComPAC Series
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	-10ºC to 85ºC
C = Commercial	-25ºC to 85ºC
I = Industrial	-40ºC to 85ºC
M = MILCOTS	-55ºC to 85ºC

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
28V	100W	200W	300W
48V	200W	400W	600W
300V	200W	400W	600W

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America

C E R T I F I C A T E

No. U8V 021433 0637 Rev. 00

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

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Product Service

C E R T I F I C A T E

No. B 021433 0638 Rev. 00

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

Certification Mark:

Product: Audio/Video, Information and Communication technology equipment
DC-DC Configurable Power Supply

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier.
All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 72172670-000

Valid until: 2026-10-14

Date, 2021-10-26

(William J. Stinson)

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Product Service

C E R T I F I C A T E

No. B 021433 0638 Rev. 00

Model(s): **VI-aCbccc-deee-ff**
Type: ComPAC Series

Brand Name: **VICOR**

Parameters:

Rated Input Voltage:	24 VDC, 28 VDC, 48 VDC or 300 VDC
Rated Input Current:	31.2 A max
Rated Output Voltage:	2 – 95 V DC
Rated Output Power:	600 W max
Protection Class:	I
Degree of Protection:	IPX0

License Conditions:

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

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

1. The Maximum operating case temperature in the end application is 85°C.

2. Maximum output power is limited by input voltage and the number of Vicor dc-dc converters, see table

Input Voltage	Total Output Power (max)		
	1-Up	2-Up	3-Up
24Vdc	150W	300W	450W
28Vdc	100W	200W	300W
48Vdc	200W	400W	600W
300Vdc	200W	400W	600W

3. Outputs from 2 to 60 Vdc meet the requirements for ES1. Outputs greater than 60 Vdc are considered non-ES1

4. The electrical and fire enclosures are provided by the end product.

5. Recommended Fusing

Nominal Input Voltage	Fuse Rating		
	1-Up LC	2-Up MC, PC	3-Up NC, QC, RC
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48V	8A / 60V	15A / 60V	25A / 60V
48V (wide)	6A / 100V	15A / 100V	25A / 100V
270V	2A / 250V	4A / 250V	6A / 250V
300V	2A / 250V	4A / 250V	6A / 250V

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Product Service

CERTIFICATE

No. B 021433 0638 Rev. 00

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P	Up to 2 modules, 2 outputs (2-Up)
Q	Up to 3 modules, 2 outputs (3-Up)
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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

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E = Economy	-10ºC to 85ºC
C = Commercial	-25ºC to 85ºC
I = Industrial	-40ºC to 85ºC
M = MILCOTS	-55ºC to 85ºC

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
28V	100W	200W	300W
48V	200W	400W	600W
300V	200W	400W	600W

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23 = Customer Code

Tested according to: EN 62368-1:2014/A11:2017

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