



America

CERTIFICATE

No. U8V 17 05 21433 531

Holder of Certificate: Vicor Corporation

25 Frontage Road
Andover MA 01810
USA

Production Facility(ies): 16555, 67768

Certification Mark:



C US

Product: Switching power supply unit
AC-DC Power Supply

Model(s): VI-abccc-deee-ff-xx
FlatPAC Series
(see certificate attachment for nomenclature.)

Parameters:

Rated Input Voltage:	100-120/200-240 V AC
Ratd Frequency:	47-440 Hz
Rated Input Current:	13.5 A / 8 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/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 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.

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FlatPAC Model Number Matrix: VI-abccc-deee-ff-xx

VI = Product Type

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

a = Module Configuration	Input Current (Max)
L = 1 module, 1 output	5.0 / 2.5 A
M = Up to 2 modules, 1 output	9.5 / 6.0 A
N = Up to 3 modules, 1 output	13.5 / 8.0 A
P = Up to 2 modules, 2 outputs	9.5 / 6.0 A
Q = Up to 3 modules, 2 outputs	13.5 / 8.0 A
R = Up to 3 modules, 3 outputs	13.5 / 8.0 A

b = Input Type

F = Strappable
 A = Autoranging
 U = Universal

ccc = Output Voltage (Vdc) Nominal

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
I = 12.0	D = 85.0
P = 13.8	B = 95.0

d = Product Grade

Product Grade	Temperature Range	Input Voltage
C = Commercial	-20°C to 85°C	100-120 / 200-240 V, 47-63 Hz
I = Industrial	-40°C to 85°C	100-120 / 200-240 V, 47-440 Hz
M = Military	-55°C to 85°C	100-120 / 200-240 V, 47-440 Hz
E = Economy	0°C to 85°C	100-120 / 200-240 V, 47-63 Hz

eee = Output Power

Vout > 5 V	Vout < 5 V
M = 600 W	120 A
P = 450 W	90 A
Q = 400 W	80 A
S = 300 W	60 A
U = 200 W	40 A
V = 150 W	30 A
W = 100 W	20 A
X = 75 W	15 A
Y = 50 W	10 A
Z = 25 W	5 A

ff = Customer Options (optional, non-safety related)

BC = BatMOD / Conduction Cooled
 BM = BatMOD
 CC = Conduction Cooled
 LL = Low Leakage

xx = Specials (optional, non-safety related)

00-99 = denotes unique customer model

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Example: VE-MUH-EQ-CC-10

M = Up to 2 modules, 1 output, U = Universal, H = 52Vdc, E = Economy Grade
Q = Output1 @ 400W, CC = conduction cooled, 10 = customer special label

License Conditions:

1. The FlatPAC 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 600 W. See design guide for derating 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. All FlatPAC configurations operated at input frequencies higher than 63 Hz may have high leakage currents.
8. FlatPAC configurations with 3 modules may have high leakage currents during 50/60 Hz operation.
9. The FlatPAC has a wide range nominal input rated 100-120Vac / 200-240Vac .
The FlatPAC was evaluated over a full mains supply tolerance of 90-132 Vac / 180-264Vac.

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