

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

SYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE CERTIFICAT D'ESSAI OC

Product
Produit

Switching Power Supply

Name and address of the applicant
Nom et adresse du demandeur

Vicor Corporation
25 Frontage Rd., Andover, MA 01810, USA

Name and address of the manufacturer
Nom et adresse du fabricant

21477

Name and address of the factory
Nom et adresse de l'usine

21477

Rating and principal characteristics
 Valeurs nominales et caractéristiques principales

Input Ratings:
Rated AC: 115/230 V
47-63 Hz
9.0/5.0A
Rated DC: 300 V, 3A

Output Ratings:
Rated DC: 2-48 VDC
500 W Max.

Trade mark (if any)
Marque de fabrique (si elle existe)

Vicor Westcor Division

Model/type Ref
Ref. de type

FlatPAC-EN, Fla-bc-ddd

Additional information (if necessary)
Information complémentaire (si nécessaire)

See Attachment for Model Differences

A sample of the product was tested and
found to be in conformity with
*Un échantillon de ce produit a été essayé et a été
considéré conforme à la*

PUBLICATION
IEC 60950:1999

EDITION
Third

as shown in the Test Report Ref. No.
which form part of this certificate
*comme indiqué dans le Rapport d'essais numéro
de référence qui constitue une partie de ce
certificat*

TÜV Product Service
090-301706-000

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**

Department: ELSUSD
Date: 2003-27-05
CB 03 05 21433 067



TÜV
PRODUCT SERVICE

General descriptions:

The FlatPAC – EN is a power factor corrected AC-DC or DC-DC switching power supply, providing up to four independent outputs, incorporating in any combination as many as four previously approved Vicor 2nd Gen and/or VI-J00 series isolated converter modules.

The FlatPAC – EN models are built using up to four TUV approved DC/DC switching power supplies. Which provide reinforced insulation between inputs and outputs.

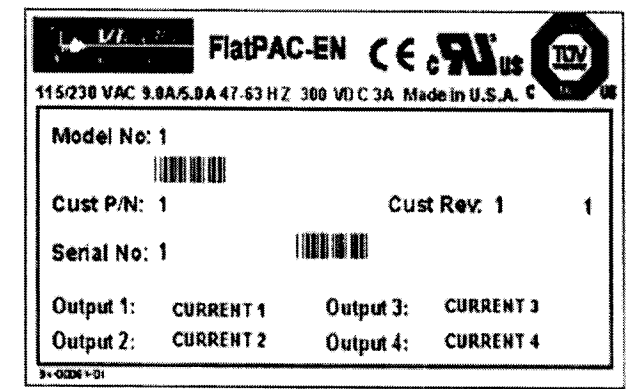
The FlatPAC – EN power supplies are enclosed assemblies provided with an input connector and output connector/terminal for connection to a single phase power source. Made for building-in and used for Information Technology Equipment, Including electrical business equipment.

This report covers the FlatPAC – EN, model FLA-bc-ddd. Where a is the number of output voltages, b is the number of 1st Gen series converters (VI-J00 and VI-200), c is the number of 2nd Gen series converters (Micro, Mini and Maxi), and ddd is a factory assigned number.

Conditions of Acceptability - When installed in the end-use equipment, consideration shall be given to the following:

1. The power supply should be installed in compliance with the enclosure, mounting, spacings, temperature, and casualty and segregation requirements of the ultimate application.
2. The baseplate temperatures of the Vicor DC-DC converter switching power supplies should be measured in the end-use equipment, and should not exceed 85°C for 1st Gen VI-200's and should not exceed 100°C for 1st Gen VI-J00's and 2nd Gen Micro, Mini, Maxi families.
3. The acceptability of the input connector and output mating connectors/terminals relative to secureness, insulating materials and temperature should be considered in the end product evaluation.
4. This product has been evaluated as Class I, Component Supply for building-in.
4. VI-200 1st Gen DC-DC Secondary outputs 2V-60V comply with SELV requirements; VI-J00 1st Gen DC-DC Secondary outputs 2V-40V comply with SELV requirements; Micro, Mini, Maxi 2nd Gen DC-DC Secondary outputs 2V-48V comply with SELV requirements; higher voltage outputs are non-SELV.
6. Abnormal and Component Failure Tests were conducted with the power supply input protected by a fuse manufactured by Bussman, Cat. No. ABC-10 rated F, 10 A, 250 V AC. If a fuse rated greater than 10 A is used, additional testing may be required.

Copy of marking plate:



MODEL DIFFERENCES:

The FlatPAC-EN units use the same Front End Circuitry but differ in the output configurations. They are different in the number of outputs, the Module Complement and the total output power.

FlatPAC-EN:(2 outputs) can accommodate the following:

- 2nd Gen. Mini, 2nd Gen. Maxi
or
- 2nd Gen. Mini, 1st Gen. VI-200
or
- 1st Gen. VI-J00, 1st Gen. VI-200
or
- 1st Gen. VI-J00, 2nd Gen. Maxi

FlatPAC-EN:(3 outputs) can accommodate the following:

- 2nd Gen. Mini, Qty 3
or
- 1st Gen. VI-J00 and 2nd Gen. Mini, Qty 2
or
- 1st Gen. VI-J00, Qty 3
or
- 2nd Gen. Mini and 1st Gen. VI-J00, Qty 2

FlatPAC-EN:(4 outputs) can accommodate the following:

- 2nd Gen. Mini and 2nd Gen. Micro, Qty 3
or
- 1st Gen. VI-J00 and 2nd Gen. Micro, Qty 3

ELECTRICAL RATING:

Inputs:

115/230 VAC, 9.0/5.0 A , 47-63 Hz; DC: 300VDC, 3 A

Outputs:

Up to four rated 2-48 V dc.

OUTPUT POWER:

- | | |
|------------------------|------------------------|
| 260Watts max @ 90V ac | 500Watts max @ 200V ac |
| 340Watts max @ 95V ac | 500Watts max @ 205V ac |
| 450Watts max @ 100V ac | 500Watts max @ 215V ac |
| 500Watts max @ 105V ac | 500Watts max @ 225V ac |
| 500Watts max @ 115V ac | 500Watts max @ 235V ac |
| 500Watts max @ 125V ac | 500Watts max @ 245V ac |
| 500Watts max @ 132V ac | 500Watts max @ 255V ac |
| 400Watts max @ 180V ac | 500Watts max @ 265V ac |
| 450Watts max @ 185V ac | |
| 500Watts max @ 190V ac | |
| 500Watts max @ 195V ac | |