

DESCRIPTION

PRODUCT COVERED:

Component power supply, Models VI-FKE6-CUX-LL, VI-FPE6-CUX-LL, VI-FKE6-IUX-LL, and VI-FPE6-IUX-LL for use in controlled environment electronic data processing equipment and office appliances and business equipment and telephone equipment, information technology equipment including electrical business equipment and medical and dental equipment. All models may be followed by suffix letter or letters for commercial purpose only.

GENERAL CHARACTER AND USE:

* This product is a nonisolating ac to dc power supply, incorporating semiconductor components in its circuitry. It is provided with input and output terminals for connection to the end use equipment. The power supply has been investigated to UL 478, Standard for Information Processing and Business Equipment, Fifth Edition, UL 544, The Standard for Medical and Dental Equipment, Third Edition, and the Standard for Information Technology Equipment, Including Electrical Business Equipment, UL 1950, Third Edition (No D3 Deviations). Based on the March 15, 1991 Industry Review and per the manufacturer's request. This section of this report was transferred to the category for Power Supplies For Use In Electronic Data Processing Equipment and Power Supplies For Use In Information Technology Equipment, Including Electrical Business Equipment.

MODEL DIFFERENCES:

Model VI-FPE6-CUX is not provided with an aluminum chassis and cover. Suitability of enclosure is to be determined in end-use product.

Model VI-FPE6-IUX, industrial version only frequency range changes.

Model Suffix "LL" refers to low leakage.

ELECTRICAL RATINGS:

All Commercial Models:

Input - 100-120/200-240 V ac, 5.2/3 A, 47-63 Hz

Output - 300 V dc, 250 W

ALL INDUSTRIAL MODELS:

Input - 100-120/200-240 V ac, 5.2/3 A, 47-440 Hz

Output - 300 V dc, 250 W

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

General - For use only in or with electronic data processing equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc. Temperature Tests were conducted at 50°C ambient for information only at client's request.

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

1. These components have been judged on the basis of the required spacings in the Fifth Edition of the Standard for Information Processing and Business Equipment, UL 478, which covers the end-use product for which the component was designed.

2. The power supply should be installed in compliance with the enclosure, mounting, spacing, casualty, and segregation requirements of the ultimate application.

3. Consideration should be given to measuring the temperatures on power electronic components, coils and transformer windings when the power supply is installed in the end-use equipment.

4. The output circuit has not been investigated for secondary interconnection or user accessibility.

5. A maximum external 7 A fuse shall be provided in the ungrounded input of the end product since each fusing was relied on for Abnormal Operations Test. The need for fuse replacement markings shall also be determined in the end product.

6. Based on Paragraph 35A.1 of the Standard for Telephone Equipment, UL 1459. These products are acceptable for use in telephone equipment.

7. This is a "Front end" unit with no primary to secondary isolation provided.

D E S C R I P T I O NPRODUCT COVERED:

Component power supply, Models VI-FKE6-CQX-LL, VI-FPE6-CQX-LL, VI-FKE6-IQX-LL, and VI-FPE6-IQX-LL for use in Electronic Data Processing Equipment, Office Appliances and Business Equipment Information Technology Equipment Including Electrical Business Equipment and Medical and Dental Equipment. All models may be followed by suffix letter or letters for *commercial purposes only.

GENERAL CHARACTER AND USE:

This product is an off line (nonisolating) ac to dc power supply, incorporating semiconductor components in its circuitry. It is provided with input and output terminals for connection to the end use equipment. This power supply has been investigated to UL 478, Standard for Information Processing and Business Equipment, Fifth Edition, UL 544, The Standard for Medical and Dental Equipment, Second Edition and The Standard for Information *Technology Equipment Including Electrical Business Equipment, UL 1950, Second Edition (No D3 Deviations).

ELECTRICAL RATINGS: All commercial models

Input: 100-120/200-240 V ac
10/6
47-63 Hz

Output: 300 V dc
500 W

All Industrial Models:
Input: 100-120/200-240 V ac
10/6
47-440 Hz

Output: 300 V dc
500 W

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

For use only in or with electronic data processing equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

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

1. These components have been judged on the basis of the required spacings in the Fifth Edition of the Standard for Information Processing and Business Equipment, UL 478, which covers the end-use product for which the component was designed.

D.A.
B.L.

4. The input and output terminals are not acceptable for field connections and are only intended for connection to mating connectors of internal wiring inside the end-use machine. The acceptability of these and the mating connectors relative to secureness, insulating materials, and temperature should be considered.

5. All testing was conducted using 12 A fusing in the input. This max value of fusing should be provided in the end-use.

6. Stored capacitor voltage and energy measurements for C8-11 where made with the output connected to min one Vicor VI-26X-XX dc-dc module. For other end-uses these measurements should be repeated.

7. Based on Paragraph 35A.1 of The Standard for Telephone Equipment, UL 1459, these products are acceptable for use with telephone equipment.

8. This is a "Front End" unit with no primary to secondary isolation provided.

D E S C R I P T I O NPRODUCT COVERED:

Component Power Supply, Models VI-FKE6-CMX-LL, VI-FPE6-CMX-03, VI-FPE6-CMX-LL, VI-FKE6-IMX-LL, and VI-FPE6-IMX-LL for use in electronic data processing equipment and office appliances and business equipment and information technology equipment including electrical business equipment and medical and dental equipment. All models may be followed by suffix letter or *letters for commercial purpose only.

GENERAL CHARACTER AND USE:

These products are off line (nonisolating) ac to dc power supplies, incorporating semiconductor components in their circuitry. They are provided with input and output terminals for connector to the end use equipment. These power supplies have been investigated to UL 478, Standard for Information Processing and Business Equipment, Fifth Edition, UL 544, The Standard for Medical and Dental Equipment, Second Edition and the Standard For Information Technology Equipment, Including Electrical Business Equipment, UL 1950, *Second Edition (No D3 Deviations).

ELECTRICAL RATINGS: All commercial models: All Industrial "I" Models:

Input:	100-120/200-240 V ac	100-120/200-240 V ac
	15/8.5	15/8.5
	47-63 Hz	47-440 Hz
Output:	300 V dc	300 V dc
	750 W	750 W

Model VI-FPE6-CMX-03:

Input:	85-120 V ac
	15.4-9.2 A
	50/60 Hz
Output:	300 V dc
	750 W

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

For use only in or with electronic data processing equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

D.A.
B.L.

2. The power supply should be installed in compliance with the enclosure, mounting, spacing, casualty, and segregation requirements of the ultimate application.
3. The Normal Temperature Test was conducted with the unit laying flat in a 40°C ambient. Temperatures should be checked again with the module mounted in the end-use.
4. The input and output terminals are not acceptable for field connections and are only intended for connection to mating connectors of internal wiring inside the end-use machine. The acceptability of these and the mating connectors relative to secureness, insulating materials, and temperature should be considered.
5. All testing was conducted using 15 A fusing in the input. This valve of fusing should be provided in the end-use.
6. Stored capacitor voltage and energy measurements for C8-11, C14 and C15 were made with the output connected to min one Vicor VI-26X-XX dc-dc module. For other end uses these measurements should be conducted.
7. Based on Paragraph 35A.1 of the Standard for Telephone Equipment, UL 1459, these products are acceptable for use with Telephone Equipment.
8. This is a "Front End" unit with no primary to secondary isolation provided.