

File E135493

March 20, 1991

REPORT

on

COMPONENT - POWER SUPPLIES, INFORMATION TECHNOLOGY EQUIPMENT
INCLUDING ELECTRICAL BUSINESS EQUIPMENT

Vicor Corp.
Andover, MA

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R E P L A C E M E N T P A G E

The above referenced volume has been deleted.

R E P L A C E M E N T P A G E

The above referenced section of Procedure has been deleted from this volume, and transferred to Vol. 5 Sec. 1.

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

*USR, CNR: Component - Power Supply Modules, VI-J00 and IP-J00 Family, Model Nos. VI-Jbc-de-xxx, IP-Jbc-de-xx may be followed by additional suffixes.

Refer to Ill. 8.

GENERAL CHARACTER AND USE:

This product is a switching type power supply incorporating semiconductor components in the primary circuits. It is provided with input and output terminals for connection to the end use equipment. The power supply has been investigated to the Standard for Information Technology Equipment including Electrical Business Equipment, CAN/CAS C22.2 No. 60950-00, UL 60950, CAN/CSA C22.2 No. 950-95, UL1950 3rd Edition. The Standard for General Purpose Power Supplies, UL102.

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, General Purpose Power Supplies, and Power Supplies For Use In Information Technology Equipment, Including Electrical Business Equipment.

NOMENCLATURE BREAKDOWN:

Model number coding breakdown is specified in Ill. 8.

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Vol. 5 Sec. 1
and Report

*Page 2

Issued: 3-20-91
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R E P L A C E M E N T P A G E

The above referenced page has been deleted from this Report.

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"C"=	Output V dc	Level	Max Current Amperes	Max Power Watts
2	15	SELV	13.3	200
3	24	SELV	8.3	200
L	28	SELV	7.1	200
4	48	NonSELV	4.2	200
Z	2	SELV	37.0	74
Y	3.3	SELV	30.3	100
X	5.2	SELV	28.8	150
W	5.5	SELV	27.3	150
V	5.8	SELV	25.9	150
T	6.5	SELV	23.1	150
R	7.5	SELV	26.6	200
M	10	SELV	20.0	200
P	13.8	SELV	14.5	200
N	18.5	SELV	10.8	200
J	36	SELV	5.6	200
K	40	SELV	5.0	200
H	52	NonSELV	3.8	200
F	72	NonSELV	2.8	200
D	85	NonSELV	2.4	200
B	95	NonSELV	2.1	200

D - Product Grade (does not effect description in this report),

C = Commercial
I = Industrial
M = Military
E = Economy

E - Power Rating where,

W = 100 W output, 135 W input
X = 75 W output, 100 W input
Y = 50 W output, 75 W input
Z = 25 W output, 30 W input

Special Cases - "DE" can alternately be a two digit number between 00 and 99 and signifies variations not effecting descriptions in this report, unless otherwise indicated. See "ratings" and "model differences" sections for correlation between models.

Additional Suffixes - Models may also have additional suffix "TM", representing "Tacho Mod". "S", Slim Mod; "F1-F4", Fin Mod; and "B1", Buss Mod. No safety critical parts effected.

Manufacturer's I.D.

Vol. 1

None

ELECTRICAL RATINGS:

Input - Input voltage and power are given by positions B and E in Model number respectively, as indicated in nomenclature breakdown.

Output - Output voltages and power are given by positions C and E in Model number respectively, as indicated in nomenclature breakdown.

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ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

For use only in or with electrical business equipment where the acceptability of the combination is determined by Underwriters Laboratories.

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

1. The power supply should be installed in compliance with the enclosure, mounting, spacing, casualty and segregation requirements of the ultimate application.
2. The Normal Temperature Test was conducted with the unit in a 40°C ambient yielding a temperature of 100°C on the aluminum base plate. The transformer T1 temperature rise is less than the max permitted (100°C) measurement by thermocouple method rise for a Class F (155°C) insulation system. The 100°C temperature should not be exceeded to ensure that the transformer T1 will be within its 100°C rise limitation.
3. For models with 5 to 40 V dc outputs, the secondary circuits have been investigated for compliance with SELV requirements. Models with 48 to 95 V dc do not meet the SELV requirements.
4. The base plate is isolated by basic insulation from the primary circuit. As such it should be properly grounded if it is subject to operator contact in the end product.
5. The Leakage Test should be performed during the end product investigation.
6. The input and output terminals are not acceptable for field connections and are only intended for connection to mating connectors or 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.
7. The "Gate In" and "Gate Out" terminals are in low voltage primary connected circuits.
8. All units must have an external primary fuse provided in the end use application. See Table 1 for ratings.

* <u>Model</u>	<u>Max Input Fuse Rating</u>
VI-J7x-xx	Bussmann PC-Tron 2.5 A, 250 V ac/450 V dc
VI-J6x-xx	Bussmann PC-Tron 3 A, 250 V ac/350 V dc
VI-J5x-xx	Bussmann PC-Tron 5 A, 125 V ac/250 V dc
* VI-JTx-xx	Bussmann PC-Tron 5 A, 125 V ac/250 V dc
VI-J4x-xx	Bussmann PC-Tron 5 A, 125 V ac/250 V dc
VI-J3x-xx	Bussmann PC-Tron 5 A, 125 V ac/250 V dc
VI-JNx-xx	Bussmann PC-Tron 5 A, 125 V ac/250 V dc
* VI-JNx-xx	Alternates - Littelfuse R251005 (5 A, 125 V ac/V dc) Bussmann MCR5 (5 A, 125 V ac/V dc)
* VI-JNx-xY	Alternate - Littelfuse R251003 (3 A, 125 V ac/V dc)
VI-J2x-xx	Bussmann PC-Tron 5 A, 125 V ac/250 V dc
VI-JWx-xx	8 A/60 V
VI-J1x-xx	8 A/60 V
VI-J0x-xx	8 A/60 V

* Where x can be any character.

Special Cases -

<u>Model</u>	<u>Parent</u>	<u>Input (dc)</u>	<u>Output (dc)</u>
VI-J00-12	J00-1Y	10-20 V/6.25 A/75 W	5 V/10 A/50 W
VI-J00-14	J00-CY	10-36 V/7.08 A/85 W	5 V/7 A/35 W
*VI-J01-10	J01-EZ	9.2-36 V/2.0 A/50 W	12 V/2.08 A/25 W
*VI-J02-05	J02-CZ	10-33 V/2.0 A/50 W	15 V/1.67 A/25 W
VI-J20-07	J20-CY	21-56/2.08 A/75 W	5/10 A/50 W
*VI-J20-14	J20-CY	21-58 V/1.8 A/63 W	5.0 V/7.6 A/38 W
*VI-J20-15	J20-CY	18-76 V/1.35 A/65 W	5.0 V/8.0 A/40 W
*VI-J20-16	J20-IZ	20-70 V/1.53 A/55 W	5.0 V/6.0 A/30 W
*VI-J22-04	J22-CY	21-58 V/1.75 A/63 W	15 V/2.53 A/37.9 W
*VI-J22-05	J22-CY	18-76 V/1.14 A/55 W	15 V/2.0 A/30 W
*VI-J23-03	J23-CY	20-60 V/2.34 A/85 W	24 V/2.5 A/60 W
*VI-J24-04	J24-CY	20-60 V/2.52 A/91 W	24 V/1.2 A/66 W
VI-J30-04	J30-CX	42-54/2.08 A/100 W	5/15 A/75 W
VI-J34-02	J34-CY	42-60/1.25 A/60 W	90/.44 A/40 W
VI-J40-02	J40-CY	50-90/1.11 A/80 W	5/12 A/60 W
VI-J60-03	J60-CX	200-400/0.2 A/60 W	20/20 A/40 W
VI-J63-02	J63-CW	200-400/.433 A/130 W	24/4.4 A/105 W
VI-J63-03	J63-CY	200-400/.25 A/75 W	24/2.08 A/50 W
VI-J64-02	J64-CX	200-400/.33 A/100 W	65/1.15 A/75 W
VI-J64-04	J64-CW	200-400/0.4 A/120 W	95/1.0 A/95 W

<u>MODEL</u>	<u>PARENT</u>	<u>INPUT (dc)</u>	<u>OUTPUT (dc)</u>
VI-J04-02	J04-CY	10-20 V/6.2 A/75 W	62 V/0.8 A/50 W
*VI-J04-11	J04-MY	10-23 V/6.25 A/75 W	48 V/1.04 A/50 W
VI-JOB-01	JOB-CY	10-20 V/6.2 A/75 W	95 V/.52 A/50 W
VI-J20-05	J20-CZ	21-5 V/1.08 A/39 W	5 V/2.8 A/14 W
VI-J21-01	J21-CZ	21-56 V/1.76 A/37 W	12 V/2.3 A/28 W
VI-J30-11	J30-CY	42-60 V/1.78 A/75 W	5 V/6.25 A/75 W
VI-J30-12	J30-CX	42-60 V/2.08 A/100 W	5 V/15 A/75 W
VI-J30-13	J30-CX	42-60 V/1.77 A/85 W	3.3 V/18 A/60 W
VI-J30-23	J31-1Y	42-50 V/1.56 A/75 W	8 V/6.25 A/50 W
VI-J30-24	J30-1Y	42-60 V/1.56 A/75 W	6 V/8.3 A/50 W
VI-J31-07	J31-CX	42-60 V/2.38 A/100 W	12 V/6.25 A/75 W
*VI-J31-10	J31-EY	42-60 V/1.56 A/75 W	9.0 V/5.56 A/50 W
VI-J34-03	J34-CX	42-60 V/2.08 A/100 W	48 V/1.56 A/100 W
*VI-J34-05	JN4-CX	44-65 V/1.98 A/95 W	61.2 V/1.14 A/70 W
VI-J3Y-01	J3Y-CZ	42-60 V/0.88 A/42 W	3.3 V/5 A/17 W
*VI-J3Y-02	J3Y-CW	42-60 V/2.2 A/107 W	3.3 V/15 A/82.5 W
*VI-J41-07	JT1-EZ	45-160 V/1.5 A/50 W	12 V/2.08 A/25 W
*VI-J50-09	J5T-IX	100-200 V/0.66 A/100 W	6.55 V/11.5 A/75 W
*VI-J50-10	J50-EX	100-200 V/0.66 A/100 W	6.0 V/12.5 A/75 W
*VI-J500-11	J50-EX	100-200 V/0.66 A/100 W	6.0 V/12.5 A/75 W
VI-J60-07	J60-CX	200-400 V/0.5 A/100 W	5 V/15 A/100 W
VI-J60-08	J60-CY	200-400 V/0.15 A/46 W	6.5 V/5.5 A/36 W
*VI-J60-12	J60-EX-F3	200-400 V/0.33 A/100 W	5.0 V/15 A/75 W
VI-J61-06	J61-CW	200-400 V/0.5 A/135 W	12 V/8.3 A/100 W
VI-J61-07	J61-CZ	200-400 V/.16 A/50 W	12 V/2.08 A/25 W
VI-J61-09	J61-CZ	240-400 V/0.15 A/45 W	8.0 V/3.12 A/25 W
VI-J61-12	J61-CX	200-400 V/0.39 A/118 W	8.3 V/8.3 A/69 W
*VI-J61-14	J61-EX	200-400 V/0.28 A/85 W	12 V/5 A/60 W
*VI-J61-15	J61-CY	200-400 V/.216 A/65 W	12 V/3.3 A/40 W

*VI-J61-16	J61-CY	200-400 V/.25 A/75 W	12 V/4.17 A/50 W
*VI-J62-03	J62-CY	200-400 V/.25 A/75 W	15 V/3.3 A/50 W
VI-J63-04	J63-CW	200-400 V/0.5 A/135 W	24 V/4.16 A/100 W
VI-J63-02	J63-CW	200-400 V/0.7 A/140 W	24 V/4.4 A/105 W
VI-J63-05	J63-CW	200-400 V/0.65 A/135 W	24 V/4.16 A/100 W
VI-J71-04	J71-CZ	100-425 V/0.2 A/50 W	12 V/2.08 A/25 W
VI-JN0-02	JN0-CY	36-76 V/2.08 A/75 W	6 V/8.3 A/50 W
VI-JN0-03	JN0-CZ	36-76 V/1.38 A/50 W	3 V/8.3 A/25 W
VI-JN0-05	JN0-CZ	36-76 V/1.08 A/52 W	2.1 V/12 A/25 W
VI-JN0-06	JN0-CX	36-72 V/1.88 A/90 W	5 V/13 A/65 W
VI-JN0-07	JN0-CZ	34-62 V/1.04 A/50 W	5 V/5 A/25 W
VI-JN0-08	JN0-CZ	36-76 V/1.08 A/52 W	2.1 V/12 A/25 W
VI-JN0-17	JN0-EZ	36-76 V/1.41 A/68 W	5 V/3.6 A/18 W
VI-JN0-20	JN0-CY	36-76 V/2.81 A/135 W	5 V/20 A/100 W
*VI-JN0-25	JN0-EW	36-76 V/2.81 A/135 W	5.0 V/20 A/100 W
VI-JN1-02	JN1-CY	34-62 V/1.10 A/53 W	12 V/2.33 A/28 W
VI-JW0-04	JW0-CZ	18-36 V/2.77 A/50 W	5 V/5 A/25 W
VI-J64-05	J64-CX	200-400 V/.33 A/100 W	65 V/1.15 A/75 W
VI-J64-06	J64-CX	200-400 V/.06 A/20 W	36 V/.27 A/10 W
*VI-J70-03	J71-IY	100-375 V/0.3 A/75 W	8.0 V/6.25 A/50 W
*VI-J70-04	J70-IY	100-375 V/0.248 A/65 W	6.0 V/6.67 A/40 W
VI-J71-02	J71-CZ	130-300 V/.07 A/19 W	8 V/1.2 A/9.6 W
VI-J71-03	J71-CZ	130-300 V/.11 A/29 W	9.3 V/2.05 A/19 W
VI-J72-01	J72-CZ	130-300 V/.12 A/33 W	15 V/1.53 A/23 W
VI-J73-01	J73-CZ	130-300 V/.10 A/28 W	18 V/1.0 A/18 W
VI-J74-02	J74-CY	100-375 V/.3 A 75 W	61 V/81. A/50 W
VI-J12-02	J-13-CW-S	21-32 V/5.65 A/135 W	17 V/5.88 A/100 W
VI-J54-04	J54-CY	70-230 V/0.5 A/75 W	48 V/1.04A/50 W
VI-J6Z-01	J6Z-1X	200-400 V/0.18 A/55 W	2.1 V/14.29 A/30 W
VI-JN1-01	JN1-CX	36-76 V/1.83 A/88 W	12 V/5.2 A/62.5 W
VI-JW0-04	JW0-1Z	18-36 V/2.08 A/50 W	5 V/5 A/25 W
VI-JW0-11	JW0-CW	20-36 V/5.63 A/135 W	5 V/20 A/100 W
*VI-JW0-15	JW0-CZ	18-36 V/2.08 A/50 W	7.0 V/3.57 A/25 W
*VI-JW0-17	JW0-CY	13-40 V/2.3 A/55 W	5.0 V/6 A/30 W
*VI-JW1-08	JW1-IY	18-36 V/3.13 A/75 W	8.0 V/6.25 A/50 W
*VI-JW4-01	JW4-IY	18-36 V/3.13 A/75 W	65 V/.77 A/50 W

SPECIALS:

MODEL #	PARENT	INPUT	OUTPUT
VI-201-26	201-EX	10-20V/8.3A/100W	12V/6.25A/50W
VI-202-13	202-CX	11.5-20V/11.6A/140W	15V/6A/90W
VI-203-13	203-CY	9.5-36V/3.125A/75W	21V/2.38A/50W
VI-203-25	203-EX	10-36V/8.3A/100W	24V/3.13A/7W
VI-20L-04	20L-CX	10-22V/11.25A/135W	30V/2.83A/85W
VI-204-09	204-CX	10-30V/8.3A/100W	48V/1.56A/75W
VI-2W0-12	2W0-CY	15-36V/2.125A/75W	5V/10A/50W
VI-2W0-13	2W0-CX	16.8-34V/4.16A/100W	5V/15A/75W
VI-2W1-04	2W1-CX	18-40V/4.16A/100W	12V/6.25A/75W
VI-2W1-12	2W1-CX	15-36V/4.16A/100W	12V/6.25A/75W
VI-2W4-08	2W4-CV	16.8-30V/8.3A/200W	48V/3.65A/175W
VI-2WY-01	2WY-CV	16.8-30V/4.16A/100W	3/V25A/75W
VI-210-22	210-CY	21-32V/3.125A/75W	5V/10A/50W
VI-210-29	210-EV	21-32V/8.335A/200W	5V/30A/150W
VI-211-09	211-CY	10-36V/2.9A/61W	12V/3A/36W
VI-211-15	211-CW	21-32V/5.625A/135W	12V/8.3A/100W
VI-212-09	212-CY	13-36V/3.125A/75W	15V/3.33A/50W
VI-212-11	212CY	21-32V/3.125A/75W	15V/3.33A/50W
VI-220-11	220-CX	18-62V/2.08A/75W	5.0V/10A/50W
VI-220-16	220-CW	21-56V/3.75A/135W	6.3V/15.8A/100W
VI-221-14	221-CW	21-56V/3.75A/135W	12V/8.3A/100W
VI-221-18	221-CW	20-55V/7.29A/175/175W	12V/10.42A/125W
VI-221-19	221-EX	19-60V/2.77A/100W	12V/50.83A/70W
VI-221-20	221-CW	20-60V/3.75A/135W	12V/8.3A/100W
VI-22L-02	22L-CW	21-56V/3.75A/135W	28.3V/3.53A/100W
VI-22L-04	22L-CW	20-100V/1.88A/135W	28V/3.57A/100W
VI-224-01	224-CW	21-56V/3.75A/135W	48V/2.08A/100W
VI-22M-04	22M-CW	20-60V/3.125A/150W	10.5V/12A/126W
VI-230-01	220-CV	48-60V/4.16A/200W	6.5V/23./150W
VI-230-10	230-CW	40-60V/2.81A/135W	5.4V/18.52A/100W
VI-230-12	230-CV	42-60V/4.08A/196W	65V/22.34A/146W
VI-230-14	230-IV	42-60V/4.16A/200W	5V/30A/150W
VI-230-38	230-CV	42-60V/4.42A/212W	6.5V/25A/162W
VI-230-39	230-CU	42-60V/2.04A/98W	1.2V/40A/48W
VI-230-45	230-CW	42-60V/2.81A/135W	5.4V/18.52A/100W
VI-230-46	230-EV	42-60V/4.16A/200W	5V/30A/150W
VI-230-47	230-CW	42-60V/2.81A/135W	5.15V/19.42A/100W

MODEL #	PARENT	INPUT	OUTPUT
VI-230-49	230-EU	42-60V/4.16A/250W	5V/40A/200W
VI-231-02	231-CV	42-60V/4.16A/200W	12V/12.5A/150W
VI-231-07	231-CY	42-60V/0.416A/20W	12V/0.83A/10W
VI-231-09	231-CV	42-60V/4.16A/200W	12V/12.5A/150W
VI-231-15	231-CU	42-60V/502A/250W	12V/16.67A/200W
VI-234-09	234-CU	42-60V/5.2A/250W	55V/3.64A/200W
VI-23X-01	23X-CU	39.5-660V/6.88A/330W	5.2V/44A/228W
VI-23Y-01	23Y-EV	42-60V/2.81A/135W	3.3V/30A/99W
VI-23Z-01	23Z-CU	42-60V/2.08A/100W	2V/40A/80W
VI-2N0-28	2N0-CY	30-76V/1.56A/75w	5V/10A/50W
VI-2N1-08	2N1-CY	36-76V/1.56A/75W	12V/4.17A/50W
VI-2N1-09	2N1-CY	30-76V/2.08A/100W	12V/6.25A/75W
VI-2N1-10	2N1-CU	36-76/0.52A/250W	16.67V/4.17A/200W
VI-2N2-02	2N2-CY	31-60V/1.56A/75W	15V/3.33A/50W
VI-2N2-03	2N2-CX	3-60V/2.08A/100W	15V/5A/75W
VI-2N3-02	2N3-CY	31-60V/1.52A/73W	24V/2.01A/48W
VI-2N3-08	2N3-TW	30-90V/1.81A/109W	24V/3.5A/84W
VI-2NL-03	2NL-CU	36-72V/5.21A/250W	32V6.25A/200W
VI-2N4-06	2N4-CU	36-76V/5.21A/250	52.2V/3.8A/200W
VI-2N4-07	2N4-CU	36-76V/5.21A/250W	48V/4.17A/200W
VI-2NB-01	2NB-CX	36-76V/2.08A/100W	95V/0.79A/75W
VI-243-02	243-IU	65-143V/35.8A/250W	24V/8.33A/200W
VI-243-03	243-IY	55-100V/1.04A/75W	24V/1.04A/50W
VI-2T0-01	2T0-IX	62-150V/.85A/85W	5.0V/12A/60W
VI-2T4-09	2T4-CV	77-138V/2.27A/250W	48V/4.17A/200W
VI-250-15	250-CY	80-150V/0.45A/50W	5.0V/5A/25W
VI-250-26	250-CW	100-200V/0.9A/135W	5.4V/18.52A/100W
VI-250-27	250-CV	100-200V/1.37A/200W	6.0V/25A/150W
VI-251-09	251-CU	150-250V/1.25A/250W	12V/16.66A/200W
VI-252-06	252-CV	75-200V/1.37A/200W	15V/10A/150W
VI-253-15	253-CW	150-175V/0.62A/100W	20V/4.2A/84W
VI-254-29	254-CU	100-200V/1.66A/250W	54V/3.7A/200W
VI-260-11	260-CV	200-400V/0.66A/200W	5V/30A/150W
VI-260-19	260-CV	200-400V/0.66A/200W	5.0V/30A/150W
VI-260-75	26Z-IV	200-400V/0.28A/85W	2.0V/30A/60W
VI-260-77	260-CU	200-400V/0.83A/250W	5.0V/40A/200W
VI-260-110	260-IV	200-400V/0.66A/200W	5.0V/20A/150W
VI-260-113	260-EU	240-400V/0.83A/250W	8.0V/25V/200W
VI-261-10	261-IV	200-400V/0.66A/200W	12V/12.5A/150W

MODEL #	PARENT	INPUT	OUTPUT
VI-261-11	261-CW	200-400V/0.45A/135W	12V/8.3A/100W
VI-261-55	261-CU	200-400V/0.83A/250W	12V/16.67A/200W
VI-261-56	261-EU	200-400V/0.83A/250W	8V/25A/200W
VI-261-57	261-IW	200-400V/0.45A/135W	12V/8.3A/100W
VI-262-04	262-CU	200-400V/0.83A/250W	15V/13.3A/200W
VI-262-38	262-CU	200-400V/0.45A/135W	15V/6.66A/100W
VI-262-39	262-CV	200-400V/0.66A/200W	15V/10A/150W
VI-263-02	263-CU	200-400V/0.83A/250W	24V/8.33A/200W
VI-263-29	263-CW	200-400V/0.45A/135W	24V/4.17A/100W
VI-263-30	263-CU	200-400V/0.86A/258W	25V/8.33A/208W
VI-26L-04	26L-CU	200-400V/0.83A/250W	28V/7.14A/200W
VI-26L-05	26L-CU	200-400V/0.83A/250W	26V/7.69A/200W
VI-264-05	264-CU	200-400V/0.83A/250W	48V/4.17A/200W
VI-264-07	264-CV	200-400V/0.58A/175W	90V/1.5A/135W
VI-264-16	264-CU	200-400V/0.83A/250W	62V/3.23A/200W
VI-264-33	264-CU	200-400V/0.83A/250W	62V/3.23A/200W
VI-26F-01	26F-EU	200-400V/0.83A/250W	60V/3.33A/200W
VI-26R-01	26R-EU	200-400V/0.66A/250W	7.5V/26.67A/200W
VI-26T-05	26T-CU	210-400V/0.83A/250W	6.V/30.77A/200W
VI-26X-03	26X-CU	200-400V/1.08A/400W	5.2V/44A/228W
VI-270-01	270-EW	145-330V/0.54A/135W	5V/20A/100W
VI-273-03	273-IW	100-375V/0.54A/135W	24V/4.17A/100W
VI-273-04	273-CW	85-375V/0.6A/150W	24V/5A/120W

MODEL #	PARENT	INPUT	OUTPUT
VI-B01-03	B01-EX	10-20V/8.33A/100W	12V/6.25A/75W
VI-B02-02	B02-CY	10-30V/6.25A/75W	15V/3.33A/50W
VI-B03-10	B03-CX	10-36V/8.33A/100W	24V/3.13A/75W
VI-B04-03	B04-CX	10-30V/8.3A/100W	48V/1.56A/75W
VI-BW4-02	BW4-CV	18-36V/8.2A/200W	48V/3.13A/150W
VI-B20-03	B20-CY	18-62V/4.16A/75W	5V/10A/50W
VI-B30-14	B30-CU	42-60V/1.56A/75W	1.2V/40A/48W
VI-B30-17	B30-CV	42-60V/4.16A/200W	5.15V/30A/154W
VI-B30-19	B30-CW	42-60V/3.125A/150W	5.15V/19.42A/100W
VI-B34-01	B34-CU	42-60V/5.20A/250W	55V/3.64A/200W
VI-B3X-01	B3X-CU	39.5-65V/5.20A/250W	5.2V/44A/228W
VI-B3Y-02	B3Y-EV	42-60V/3.125A/150W	3.3V/30A/100W
VI-BNL-02	BN1-CV	36-76V/3.57A/200W	28V/5.3A/150W
VI-B43-02	B43-CU	65-143V/35.8A/250W	24V/8.33A/200W
VI-B60-08	B60-CV	200-400V/0.66A/200W	5V/30A/150W
VI-B60-39	B61-CU	200-400V/0.66A/200W	8.0V/21A/168W
VI-B60-47	B60-EU	240-400V/0.83A/250W	8.0V/36A/200W
VI-B61-03	B61-CV	190-400V/0.66A/200W	12.5V/1256A/157W
VI-B61-16	B61-EU	240-400V/0.83A/250W	8V/25A/200W
VI-B62-13	B62-CU	200-400V/0.83A/250W	14.4V/13.8A/200W
VI-B63-05	B63-EU	200-400V/0.83A/250W	25V/8.33A/208W
VI-B6L-01	B6L-CU	200-400V/0.83A/250W	28V/7.14A/200W
VI-B6L-02	B6L-CU	200-400V/0.83A/250W	26V/7.69A/200W
VI-B64-11	B64-CU	200-400V/0.83A/250W	55V/3.64A/200W
VI-B6F-01	B6F-EU	220-400V/0.83A/250W	60V/3.33A/200W
VI-B6T-02	B6T-CU	210-400V/0.83A/250W	65V/30.77A/200W
VI-B6X-01	B6X-CU	2250-400V/0.67A/250W	5.2V/44A/228W

MODEL #	PARENT	INPUT	OUTPUT
VI-J00-15	J00-EZ	9.8-36V/4.16A/50W	5V/5A/25W
VI-J00-19	J00-IZ	9.6-15V/4.16A/50W	5V/5A/25W
VI-J01-17	J01-EZ	9.8-36V/4.16A/50W	12V/2.08A/25W
VI-J04-04	J04-CY	10-23V/6.25A/75W	48V/1.04A/50W
VI-J04-07	J04-EY	10-20V/6.25A/75W	75V/0.67A/50W
VI-J10-05	J10-CX	21-32V/3.572A/100W	5V/15A/75W
VI-J11-05	J11-CW	21-32V/5.62A/135W	10V/10A/100W
VI-J11-07	J11-CW	21-32V/5.62A/135W	9V/11.11A/100W
VI-JW0-01	JW0-CY	13-40V/2.3A/55W	5.0V/6A/30W
VI-JW0-02	JW0-CZ	18-36V/3.125A/75W	6V/8.33/50W
VI-JW0-06	JW0-CY	18-36V/3.125A/75W	5.0V/10A/50W
VI-JW1-01	JW1-CY	18-36V/3.125A/75W	12V/4.17A/50W
VI-JW2-01	JW2-CX	18-36V/4.16A/100W	15V/5A/75W
VI-JW2-04	JW2-IY	18-36V/3.125A/75W	15V/3.33A/50W
VI-JWL-03	JWL-IW	18-36V/5.62A/135W	30V/3.33A/100W
VI-JW4-02	JW4-IY	18-36V/3.13A/75W	65V/.77A/50W
VI-J20-18	J20-CY	22-60V/2.08A/75W	6.5V/7.6A/50W
VI-J21-05	J21-CY	21-56V/2.08A/75W	12V/4.17A/50W
VI-J22-01	J22-CY	21-56V/2.08A/75W	15V/3.33AQ/50W
VI-J22-04	J22-CY	21-58V/1.72A/62W	15/2.53A/38W
VI-J24-05	J24-EY	18-64V/2.08A/75W	48V/1.0A/48W
VI-J30-16	J30-CZ	42-60V/0.98A/47W	4.5V/5A/22W
VI-J30-18	J30-IY	45-53V/0.94A/45W	2V/10A/20W
VI-J32-02	J32-CY	42-60V/1.56A/75W	15V/3.33A/50W
VI-J32-05	J32-CW	45-51V/2.81A/135W	15V/6A/90W
VI-JN0-28	JN0-EX	36-76V/2.08A/100W	5V/15A/75W
VI-JN1-03	JN1-CX	40-75V/2.08A/100W	12V/6.25A/75W
VI-JN1-09	JN1-EY	36-76V/1.56A/75W	9V/5.56A/50W
VI-JN4-01	JN4-CY	36-72V/1.04A/50W	70V/0.3A/21W
VI-J40-04	J40-CY	67-121V/1.04A/75W	5V/10A/50W
VI-J40-08	J40-CY	48-85V/1.12A/75W	5V/10A/50W
VI-J41-02	J41-CY	67-121V/1.04A/75W	12V/4.17A/50W
VI-J41-06	J41-CX	50-125V/1.38A/100W	12V/6.67A/80W
VI-JT1-01	JT1-IZ	45-160V/0.5A/50W	12/2.08A/25W
VI-J50-05	J50-CX	80-170V/0.83A/100W	5V/15A/75W
VI-J50-12	J50-CX	100-200V/0.66A/100W	6.0V/12.5A/75W
VI-J51-06	J51-CZ	100-200V/0.33A/50W	10V/2.5A/25W
VI-J52-04	J52-EY	85-185V/0.5A/75W	15V/3.33A/50W
VI-J60-04	J60-IX	200-400V/0.33A/100W	6.5V/11.5A/75W
VI-J60-16	J60-EW	200-400V/0.45A/135W	6.5V/15A/98W
VI-J61-10	J61-CW	200-400V/0.45A/135W	9V/11.11A/100W
VI-J61-11	J61-CX	200-400V/0.33A/100W	12V/6.25A/75W
VI-J61-18	J61-EX	200-400V/0.33A/100W	8V/9.38A/75W
VI-J71-01	J71-CY	100-375V/0.3A/75W	8V/6.25A/50W
VI-J71-07	J71-CZ	100-375V/0.2A/50W	8V/3.13A/25W
VI-J74-03	J74-CZ	100-375V/0.2A/50W	60V/0.42A/25W

MODEL #	PARENT	INPUT	OUTPUT	1-14-99 CHANGE
V-J00-24	J00-CY	10-36V/6.25A/75W	5V/10A/50W	Input
VI-JW0-02	JW0-CZ	18-36V/2.08A/50W	5V/5.0A/25W	Label
VI-JN1-11	JN1-EZ	36-76V/1.04A/50W	12V/2.08A/25W	Label
VI-JN1-12	JN1-CX	36-76V/2.08A/100W	12V/6.25A/75W	Label
VI-JNB-01	JNB-EY	36-76V/1.56A/75W	95V/0.53A/50W	Label
VI-J40-09	J40-IY	50-100V/0.69A/75W	5V/10A/50W	Input
VI-J5V-01	J5V-CX	100-200V/0.6A/100W	6V/12.5A/75W	Output
VI-J52-05	J52-CW	100-200V/0.9A/135W	15V/6.67A/100W	Label
VI-J53-01	J53-CW	95-150V/1.08A/135W	24V/4.17A/100W	Input
VI-J53-03	J53-CY	100-200V/0.5A/75W	24V/2.08A/50W	Label
VI-J61-19	J61-EX	200-400V/0.33A/100W	12V/6.25A/75W	Label
VI-J61-20	J61-EY	200-400V/0.25A/75W	12V/4.17A/50W	Label
VI-J03-08	J03-CX	11-32V/4.16A/100W	24.0V/2.92A/70W	Input
VI-J04-12	J04-CX	11-32V/4.16A/100W	48.0V/1.56A/75W	Input
VI-J22-06	J22-EY	20-72V/2.22A/80W	15.0V/2.0A/30W	Input
VI-JWL-04	JWL-IY	18-36V/3.13A/75W	28.0V/1.78A/50W	Label
VI-J20-19	J20-EY	20-72V/2.5A/90W	5V/8.0A/40W	Input
VI-JN0-29	JN0-EY	36-76V/1.56A/75W	5V/10.0A/50W	Label
VI-JNJ-01	JNJ-CX	42-54V/2.08A/100W	33V/2.0A/66W	Output
VI-J52-06	J52-CW	100-200V/.09A/135W	15V/6.67A/100W	Output
VI-J60-15	J60-CX	200-400V/0.33A/100W	5V/15A/75W	Label
VI-J62-05	J62-CX	250-350V/0.33A/100W	15V/5.0A/75W	Input
VI-J63-07	J63-CW	200-400V/0.45A/135W	24V/4.17A/100W	Label

CONSTRUCTION DETAILS:

General - The design, shape and arrangement of parts shall be as illustrated except where variations are specifically described.

Spacings - Min spacings between live parts of opposite polarity and between live and dead-metal parts meets requirements outlined in Tables III, IV and V of UL 1950.

Labels - All required Labels are Recognized Components (PGDQ2) see the Recognized Component Directory for acceptable types. Surface: Aluminum, max operating temperatures 100°C.

Marking - Recognized Company's name or trade name or File Number E135493, model number and optional electrical ratings.

Mechanical Assembly - Unless otherwise stated, all enclosure parts and components mounting assemblies are secured by welding or thread forming screws or machine screws provided with nuts and lockwashers.

Soldered Connections - All soldered connections are secured before soldering. When hand soldered, leads on printed circuit boards are bent over prior to soldering.

Exception - Printed circuit board assemblies that are wave soldered, and surface mounted devices.

Printed Wiring Boards - Unless otherwise specified, all boards are Recognized Components (ZPMV2), suitable for the solder time and temperature used by the manufacturer, and having a min flame rating of 94V-1 and an operating temperature rating of at least 130°C.

Corrosion Protection - Parts are of corrosion resistant material or plated or painted as corrosion protection.

Surface Mount Devices - (SMD) Indicated components are surface mount devices, on schematic refer to SMD.

Tolerance - Unless specified otherwise, all indicated dimensions are nominal.

MODEL DIFFERENCES:

Model No. VI-J60-CX is the basic unit described in this report.

All other models and specials are similar except ratings and where described.