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File E123535
Project 93SC16709

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REPORT

on

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

Westcor Corp.
Los Gatos, California

D E S C R I P T I O N

PRODUCT COVERED:

USR, CNR - Component - Switching Power Supply, Autoranging MegaPAC Series, ModelMpaa-zbbcccccc-dd-xx.

Item 0. MegaPAC Type
z = 9 for Autoranging MegaPAC

Item 1. Module Configuration
p = P, populated with 1st Gen Vicor Modules **or FlexPACs**

Item 2. Number of Outputs
aa = any number 0 - **32**

Item 3. Number of Modules **& FlexPACs**
bb = any number 0 – 16

Item 4. Factory assigned Code **(Optional,** Non-safety related)
cccccc = any alphanumeric combination of up to 6 characters or blanks

Item 5. MegaPAC configuration revision **(Optional, non safety related)**
dd = any alphanumeric character or blank (note: dd = G for RoHs compliant)

Item 6. MegaPAC description **(Optional, non safety related)**
xx = any alphanumeric character or blank (note: LL for low leakage) **(note: MI for Mil COTs)**

ELECTRICAL RATING:

	Input			Output, (dc)	
Model	V	A	Hz	V	A
MegaPAC	115-230 Vac 300Vdc	30/25 8A	47-500	0-95	240/320 A max.

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

The Model MegaPAC is built using up to eight Recognized (QQGQ2) dc-dc converter modules **or FlexPACs.** It can be configured by selecting the desired output voltages of the modules and paralleling similar outputs to provide the output configurations described in the Rating section of this report. All units share the same front end primary circuitry and fan cooling. Finished power supply assemblies are intended to be factory connected within electronic data processing equipment or information technology equipment. The signal connector J10 and the DC power output terminals are considered to be SELV.

* This product was investigated under the Standard for Information Technology Equipment, Including Electrical Business Equipment, UL 60950-1:2003, First Edition; CAN/CSA C22.2 No. 60950-1, **Second** Edition.

Use - For use only in end-use equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Special Considerations - The following items are considerations that were used when evaluating this product.

The component was submitted by the manufacturer for use in a maximum air ambient of 40°C.

Maximum continuous output with 38 cfm forced air cooling: 1200 W at 100-120 V ac input and 1600 W at 200-240 V ac input; 50/60 Hz.

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

1. This component has been judged on the basis of the required spacings in the Standard for Safety of Information Technology Equipment, CAN/CSA C22.2 No. 60950-1-03, **Second** Edition, UL 60950-1, **Second** Edition, Sub-Clause 2.10, which would cover the component itself, if submitted for Listing.

2. An acceptable enclosure shall be provided in the end-use.

3. The terminals and connectors are suitable for factory wiring only.

4. This power supply was evaluated for connection to a TN power system.

5. This power supply is considered a Class I product. The power supply shall be properly bonded to the main earthing termination in the end-use.

6. Bonding terminals provided on this equipment have not been evaluated as protective earthing terminals.

7. The secondary outputs of this power supply are considered SELV up to 48 V.

8. This power supply has secondary outputs that exceed 240 VA at a potential of 2 V or more.

9. This power supply has been evaluated for use in 40°C ambient.

10. All isolating transformer employ a Class A electrical insulation system.

11. External fusing of 30 A maximum (for 120 V operation) or 25 A maximum (for 240 V operation) shall be provided in the end-use application.

12. The individual modules which comprise this unit have earth leakage currents which exceed 3.5 mA at high frequency inputs. For end-product units which operate at input frequencies higher than 63 Hz, the end-product must be provided with industrial type sockets or plugs, and the cross-sectional area of the internal protective earthing conductor may not be less than 1.0 square mm, or the end-product must be additionally evaluated with respect to leakage currents, requirements of UL 60950.