

D E S C R I P T I O N

PRODUCT COVERED:

*Component - Switching Power Supply, Models LPS41, LPS42, LPS43, LPS44, LPS44-717, LPS45, LPS48, LPS22, LPS23, LPS24 and LPS25 for Use in Information Technology Equipment, Including Electrical Business Equipment.

ELECTRICAL RATINGS:

<u>Model</u>	<u>Input</u>	<u>Output</u>
*LPS41	100-250 V ac 1.6 A 50/60/440 Hz or 120-300 V dc 1 A	+3.3 V dc, 11 A
*Maximum output power: 26 W convection cooling 36 W with 30 CFM forced air cooling		
LPS42	100-250 V ac 1.6 A 50/60/440 Hz or 120-300 V dc 1 A	+5 V, 11 A
LPS43	100-250 V ac 1.6 A 50/60/440 Hz or 120-300 V dc 1 A	+12 V, 4.5 A
LPS44	100-250 V ac 1.6 A 50/60/440 Hz or 120-300 V dc 1 A	+15 V, 3.6 A
LPS45	100-250 V ac 1.6 A 50/60/440 Hz or 120-300 V dc 1 A	+24 V, 2.3 A

(Table Cont.)

<u>Model</u>	<u>Input</u>	<u>Output</u>
*LPS48	100-250 V ac 1.6 A 50/60/440 Hz or 120-300 V dc 1 A	+48 V dc, 1.2 A
Maximum output power: 40 W convection cooling 55 W with 30 CFM forced air		
LPS44-717	100-250 V ac 1.2 A 50/60/440 Hz or 120-300 V dc 0.8 A	+19 V, 2.1 A
Maximum output power: 40 W convection cooling		
LPS22	100-250 V ac 1.2 A 50/60/440 Hz or 120-300 V dc 0.8 A	+5 V, 8 A
LPS23	100-250 V ac 1.2 A 50/60/440 Hz or 120-300 V dc 0.8 A	+12 V, 3.4 A
LPS24	100-250 V ac 1.2 A 50/60/440 Hz or 120-300 V dc 0.8 A	+15 V, 2.7 A
LPS25	100-250 V ac 1.2 A 50/60/440 Hz or 120-300 V dc 0.8 A	+24 V, 1.8 A

Maximum output power: 25 W convection cooling
40 W with 30 CFM forced air

***TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):**

General - For use only in complete 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 the considerations to be made:

- *1. These components have been judged on the basis of the required creepages and clearances in the **Second** Edition of the Standard for Information Technology Equipment Including Electrical Business Equipment, **UL 60950-1, Second Edition**, Subclause 2.10, which covers the end-use product for which the component was designed. **Functional** insulations have been evaluated by conducting component failure tests per Subclause 5.3.4(c) of **UL 60950-1, Second Edition**, CAN/CSA-C22.2 No. **60950-1-07**.
2. A suitable enclosure shall be provided.
3. These power supplies have only been evaluated for use in pollution degree 2 environment.
4. The secondary output connectors have not been evaluated for field connections.
5. The secondary outputs of these power supplies are unearthed SELV and nonenergy hazard. Method 1 of Subclause 2.2 is used to maintain the insulations of SELV from other circuits.
- *6. These power supplies have been evaluated for use in Class I equipment as defined in UL 60950-1, **Second** Edition, CAN/CSA-C22.2 No. **60950-1-07**. An additional evaluation shall be made if the power supply is intended for use in other than Class I equipment.
7. These power supplies are not directly connected to earth ground of the branch circuit, they shall be properly bonded to earth ground in the end-use product.
- *8. These power supplies were evaluated under the assumption that the power source is a TN-S system as defined by UL 60950-1, **Second** Edition, CAN/CSA-C22.2 No. **60950-1-07**.
9. These power supplies have been evaluated for use in a 25°C and 50°C.
10. The power supply models LPS42, LPS43, LPS44, LPS45, LPS48 and LPS44-717 have been evaluated for use in a 25°C and 50°C at full load and in a 70°C at half load.

11. Transformer, T1, for all models except Models LPS41 and LPS48 and Common mode Choke L3 employ a Class B electrical insulation system.
12. Transformer, T1, for Models LPS41 and LPS48 employs a Class F electrical insulation system.
13. **These power supplies have been evaluated for operation up to an altitude of 3050 meters above sea level.**