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Tripp Lite Power Audit Walk-through

Data Center

1. How would you rate the quality of power in your building? Circle the appropriate answer:

- a. Never any problems
- b. Blackouts several times per year, some brownouts (lights dimming)
- c. Multiple Blackouts during storms, many brownouts where lights dim

2. Does your building have a Generator, and if so, what does it back up?

Yes or No If YES – The Whole Building Just the Datacenter

3. How often is your Generator Tested, and how Quickly and Reliably does it do it's job?

Usually Every _____ Months _____ Minutes to turn On Great or

4. Do you have an Electrical Contractor that you currently have a contract with now?

Yes or No

5. How Many Racks does you data center have, and are they located next to each other?

_____ Yes or No

6. Does your Data Center currently have any power protection (UPS's that are running), without alarms or red lights. If so, List the models below:

Qty	Model of UPS	What approximate load is this UPS running at?

7. Is there any equipment that isn't currently covered by your UPS power protection? If so, List each piece of equipment as accurately and completely as you can below:

Qty	Manufacturer	Exact Model #	Power Supply watts (if known)

(If you can not identify the model of equipment, question 6 will help us determine that products electrical requirements)

8. What type and quantity of electrical outlets do you currently have in the Datacenter? Check with your electrician if you are not sure, or identify the various types of wall receptacles by the outlet diagram shown below:

Outlet and Plug Types

IEC CONNECTORS

			
IEC-320-C13	IEC-320-C14	IEC-320-C19	IEC-320-C20

NEMA OUTLETS

				
5-15R	5-20R	L5-20R	L5-30R	
				
6-15R	6-20R	L6-20R	L6-30R	L14-30R

NEMA PLUGS

				
5-15P	5-20P	L5-20P	L5-30P	L6-20P
				
L6-30P	L14-30P			



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9. If you were not sure of the model or type of equipment in question 4, can you identify the type of NEMA Plug from the picture above? If so, add that equipment to the list below:

Best Description of Equipment I can provide	Type of Electrical Plug it has (from picture above)	Qty of this product in Datacenter

10. How much runtime would be ideal for your Datacenter. Remember, more runtime requires more batteries, which increase total cost, space in the rack, and are more difficult to transport..

- a. 15 minutes – 30 Minutes
- b. 1 – 2 hours
- c. 3 hours +

11. How is your power equipment mounted in your datacenter?

- a. 4 Post Racks
- b. 2 Post Racks
- c. On the floor, shelves, and filing cabinets

12. If you have 4 or 2 Post Racks, please estimate how many U of rack space do you have available for UPS protection, or would you need to purchase another rack? Please fill in the blank.

13. What are your plans for future growth of the amount and type of equipment in this room?

- a. Little to no growth in next 4 years

- b. 20 to 50% growth per year
- c. 60 to 100% growth per year

14. Are you already using VOIP, or do you plan to in the next 5 years?

Yes No

15. Do you currently, or would you like to be alerted anytime there is a power situation that affects your datacenter such as a power outage, a UPS fails a self test, or a UPS battery starts to fail?

Yes No

16. How is the cooling in your Data Center? Would you like to be kept informed if the batteries on your UPS get to hot, or if the air conditioner fails, even though power may still be on? This is important because excessive heat can destroy sensitive electronic equipment, or shorten it's lifespan.

Yes No

17. Would you like to be able to reboot equipment (because it's locked up or for whatever reason), WITHOUT having to be on site, or do so from any remote location?

Yes No

18. Do you currently have multiple surge protectors and power strips daisy chained together in your datacenter?

Yes No

19. Two years is the standard Single Phase Electrical Tripp Lite UPS and Battery Warranty. Do you need longer than that?

a. No Yes - 3 years Yes – 5 Years

20. Will you be moving this datacenter to another room or building in the next 3 years or less?

Yes

No

21. With your current budget limitations - what is more important to you for your power needs?

- a. I need the purest electrical power a UPS can generate.
- b. I'll sacrifice a small amount of power purity, in order to purchase more equipment for my existing and future power needs.