

**Preventive Maintenance Checklist for Data Center Electrical Systems**

**ForumElectrical.Com**

<b>Date</b>		<b>Location</b>	
<b>Equipment No</b>		<b>Next Review</b>	
<b>Checked By</b>		<b>Verified By</b>	

<b>S.No</b>	<b>Activity</b>	<b>OK</b>	<b>NOT OK</b>	<b>Remarks</b>
<b>Panel Room</b>				
1	Check Temperature (68-72°F / 20-22°C)			
2	Verify Humidity Level (40-60%)			
3	Inspect the Panel Boards for indications of overheating			
4	Check Circuit Breaker positions			
5	Check for findings of water leaks			
6	Maintain desirable Cable management			
<b>UPS Room</b>				
1	Verify the UPS system status (Online/Standby).			
2	Check the Battery Bank voltage & temperature			
3	Check UPS display for alarm warnings			
4	Check Bypass switch position			
5	Check for indication of overheating			
<b>Battery Room</b>				
1	Check the battery water level (if applicable)			
2	Verify battery voltage & temperature			
3	Inspect the battery connections & terminals			
4	Verify the ventilation system functionality			
5	Check for indication of leakage (or) corrosion			
<b>Diesel Generator (DG)</b>				
1	Verify Diesel Generator (DG) system status (Online/Standby)			
2	Check the fuel level & quality			
3	Inspect Diesel Generator (DG) display for alarm warnings			
4	Verify the cooling system operation			
5	Check for the signs of oil leakage			
<b>Diesel Generator (DG)</b>				
1	Verify the Electrical Distribution panel status			
2	Check the Circuit Breaker positions			
3	Inspect Electrical Connections & Terminals			
4	Verify the grounding system integrity			
5	Check for the signs of overheating			
<b>Additional Electrical Checks</b>				
1	Analyze monitoring systems and active alarms			
2	Check event logs & incident reports			
3	Verify the backup power systems			
4	Review the data center electrical documentation and procedures			

**Overall Review**

**Authorization (Seal with Designation)**