

HOW CAN I PROVIDE ENOUGH RUNTIME FOR MY EQUIPMENT DURING AN OUTAGE?

Related Products

UPS SYSTEMS

Article Number

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Expandable-Runtime UPS Systems:

The UPS manufacturer should provide detailed runtime data for the UPS system within the range of load levels it can support. If the network/server UPS system has an 80% load, the included batteries typically provide sufficient backup runtime to support uninterrupted operation during outages lasting 5 to 10 minutes. Many network/server UPS systems can also connect to one or more optional external battery packs to extend runtime. For applications or adverse power conditions that require it, you can connect as many external battery packs as you need. Additional batteries are heavy, take up space, can cost more than the UPS system and require periodic replacement, so you should try to provide a reasonable estimate of your runtime requirements. If you are certain that you require an extremely long runtime, you may wish to supplement the UPS system with a standby generator.

Load Shedding:

Load shedding allows you to prioritize the battery backup runtime of your critical equipment by automatically turning off nonessential equipment during longer outages. Network/server UPS systems or connected PDUs that have controllable outlets allow you to set up load shedding. For example, if you have 10 non-essential devices and four essential devices connected to a 2,200 VA UPS, and each device uses 100 watts, you can increase available runtime from 6 minutes to more than half an hour by turning off the non-essential devices during an outage.