

7 Overlooked Ways to Protect Your Critical Load

JANTECH SERVICES, INC.

Multiple Input Sources

Using Multiple Inputs such as the ones below **HELPS** by giving you options should your primary source fail

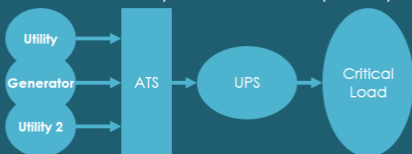
- Utility Company
- Generator
- Future Technologies
- Fuel Cell
- Solar
- Wind



There are more than 3,100 electric utilities in the United States.⁽¹⁾

Automatic Transfer Switch (ATS)

When using multiple input sources you need a way to transfer between them. An automatic transfer switch **HELPS** you by sensing when an input is having trouble and transfers to an alternative. It also transfers you back to the primary when it stabilizes



Surge Protection

Surge protection **HELPS** you by protecting you from most extreme anomaly's

Lightning

Returning Of Power After It Has Been Off

Electrical Motors

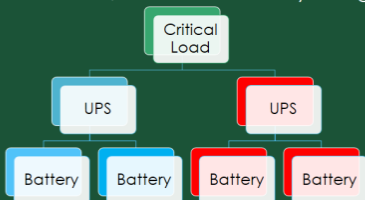
Air Conditioning Equipment

The energy from **one** lightning flash could light a 100-watt light bulb for more than 3 months.⁽²⁾



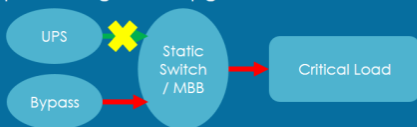
Redundant Systems

The use of redundant systems **HELPS** by guarding against a single point of failure, such as a 1 battery failing



Maintenance Bypass Breaker (MBB)

Although rare, a failure in the UPS is something that has to be planned for. A maintenance bypass breaker **HELPS** by allowing you to completely bypass the UPS, also great when performing a UPS Upgrade or Maintenance.



It is imperative the MBB is operated correctly, be sure to get refresher training on a regular basis

Monitoring

Wouldn't it be great to know what is going on with your UPS 24/7/365. Through the use of monitoring this is a reality. It **HELPS** you by showing you information such as below

UPS

- When your UPS is on Battery
- Estimated time left in reserve power
- Any alarms there may be

Battery

- Battery Health
- What the battery is doing, charging or discharging

Maintenance

Because your critical equipment is always putting a strain on the equipment feeding it, it is imperative to have maintenance done at regular intervals. Regular maintenance **HELPS** guard against unplanned downtime

UPS PM Schedule

- Annual
- Semi-Annual

Batteries PM Schedule

- Annual
- Semi-Annual or Quarterly

Auxiliary Equipment

- It is also import to have this checked as well, please contact us or the manufacture for schedule details

"EPRI estimated the national cost of power interruptions including power-quality events at \$119 billion per year"⁽³⁾

For more information feel free to contact us at 1800-452-6832 or www.JantechUPS.com

Sources

- <http://www.census.gov/prod/2011pubs/12statab/energy.pdf>
- <http://www.lightningsafety.noaa.gov/resources/tl6-10.pdf>
- <http://eetd.lbl.gov/ea/ems/reports/58164.pdf>