PICKING THE RIGHT UPS
FOR YOUR CRITICAL APPLICATIONS

The backbone of availability is the uninterruptible power supply (UPS) system. With new technologies driving changes in the power systems of critical applications, the importance of availability has in no way diminished. When it comes to having the best power protection for your critical systems, ordinary UPS solutions are not enough.

ONLINE UPS

Protects against full range of power disturbances in critical applications

Deliver better protection than other types of UPS

Seamless transition to backup power sources

96%

Efficiency

Zero Transfer Time

Frequency Regulation and Voltage Regulation

Eliminate's Noise and Transients

Power Outage Protection

Power Factor Correction
Harmonic Distortion Correction

LINE INTERACTIVE UPS

Lower-cost yet effective

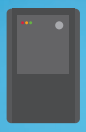
Supports entire critical load during power disturbances

Brief power interruption during transfers

Voltage Regulation **(Limited)**

Eliminates Noise and Transients **(Limited)**

Power Outage Protection



STANDBY UPS

Simple but limited in terms of design

Lacks power conditioning

Brief power interruption during transfers

Applicable for workstation-level loads

Eliminates Noise and Transients **(Limited)**

Power Outage Protection

DAMAGING POWER INTERFERENCES

Know the different power disturbances and how it can affect your critical systems.

OUTAGES
A total power loss

SAGS
Short duration A (temporary) drop in voltage level

SURGES
Short duration A (temporary) drop in voltage level

SPIKES
A sudden increase of voltage, can be up to 110% of nominal

NOISE
Low-level signals, superimposed on the power sine wave, Impulses and EMI/RFI noise superimposed on the power conductors

TRANSIENT
A narrow, fast-rise voltage variation. Followed by a damped oscillation decaying to nominal in less than one cycle

FREQUENCY DEVIATION
Change in frequency exceeded its preset limits

UNDER - VOLTAGE
Reduced line voltage for periods of time

OVER - VOLTAGE
Rise line voltage for periods of time

HARMONICS
Quick voltage variations, harmonics occur at the natural multiple of the standard power wave

VERTIV OFFERS RELIABLE & EFFICIENT UPS SOLUTIONS THAT WORK TOGETHER TO SAFEGUARD YOUR CRITICAL APPLICATIONS

Liebert® GXT MT+ CX
(1kVA, 2kVA, 3kVA)

Features and Benefits
- True Online Double Conversion with DSP Control Technology
- 0.9 Power factor for Standard models, 0.8 for Long Backup
- Standard and Long Backup models
- Very high (0.99) power factor at input
- Can handle extremely low and high input voltage
- Can handle extreme fluctuations of generator frequency

APPLICATIONS
- Small data centers
- Process automation equipment (ATM Machines)
- VOIP

Liebert® GXT4
(700VA to 3kVA; 5kVA to 10kVA)

Features and Benefits
- Active Eco-Mode
- Energy Star Certified
- Up to 6 external battery packs
- Built-in Maintenance Bypass (5 -10kVA)
- High power factor in all models
  - 0.8pf for 5-6kVA
  - 0.9pf for all other models

APPLICATIONS
- Data Center
- Government
- Workstations
- Telecom
- Marine
- Healthcare
- Retail
- BFsi

Liebert® ITA2
(5kVA – 20kVA)

Features and Benefits
- Unity power factor
- Eco-Mode provides a superlative efficiency of up to 99%
- Dust and moisture resistant
- Suitable for long back-up up to hours
- Parallelable up to 4 units
- Compliance with seismic conduction & vehicle carrying test
- Built-in web monitoring

APPLICATIONS
- Edge of Networks
- Data Center
- Automation Industries
- Workstations
- Telecom
- Marine

To know more which UPS best suits your critical applications, visit **www.VertivCo.com/picktherightups**