



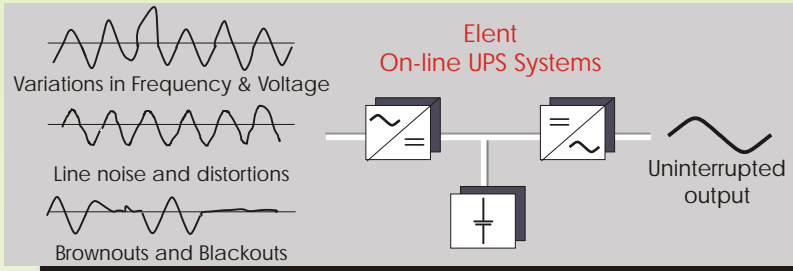
State-of-the-art On-line Uninterruptible Power Supply Systems 1KVA to 120 KVA

- True On-line Double Conversion type UPS System
- High Frequency PWM design using IGBT/MOSFET
- Compact and well engineered architecture
- Ultimate protection against all power line disturbances
- Wide input voltage tolerance range
- Suitable for all types and capacities of batteries
- Neat and clean flat cable wiring
- Pure Sinewave output
- Smooth and silent operation
- Complete annunciation on the front panel
- Excellent dynamic response for step load change
- Short circuit/overload protected
- Fast correction rate for line and load regulation
- High inrush/peak current loading capability
- Computer communication compatibility
- Easy to install, use and maintain
- Lowest running and operational expenditure
- Superior performance to price analysis



Typical main line problems as shown below can make the connected load to malfunction, cause harm to sensitive components and be totally unreliable.

Elent PS/3 series On-line UPS Systems provide pure sinewave and uninterrupted power.



Specifications

- Rated Output Capacity : 1 to 10 KVA Single Phase 5 to 120 KVA Three Phase
- Input Voltage : 160 - 270 V AC Two Wire (single phase)
OR 330 - 470 V AC Four Wire (three phase)
- Input Frequency : 47 - 53 Hz.
- Rectifier - Charger : Automatic Float cum Boost Charger,
Constant Voltage Constant Current type
- Battery type & Back-up : SMF/Tubular or any other type for 15 mins. to 5.0 hrs.
- Output Voltage : 220/230 V AC
- Regulation : 1% under all Line and Load Conditions
- Output Frequency : 50.0 Hz.
- Regulation : 0.25%
- Inverter Efficiency : Better than 85%
- Waveform : Sinewave
- Distortion : THD less than 5% (optional 3%),
Any Single Harmonic less than 3%
- Transient Response : 6% under Step Load change of 80%
- Transient Recovery : 90% within Two and Half Cycles,
100% within Three to Four Cycles
- Load Power Factor : 0.6
- Overload Capacity : 120% for 10 mins., 150% for 10 sec.
- Control Method : Sinusoidal PWM Control
- Switching Frequency : 3.2 KHz to 25.6 KHz
- Circuit Method : On-line Double Conversion UPS, Zero Transfer time
- Ambient Temperature : 0 - 50° C
- Relative Humidity : 95% RH Max. (Non Condensing)
- Audible Noise : Less than 55 dB at 1.5 metres
- Cooling : Forced Air Type



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