

FERRUPS®

UNINTERRUPTIBLE POWER SYSTEMS

500VA TO 1.4kVA

10kVA TO 18kVA

Unmatched reliability in
configurable power
protection for computers
and telecommunications
equipment.

60Hz

Built to Protect:

- > Midrange Computer Systems
 - > Application and Database Servers
 - > Clustered File Servers
 - > Internetworking Equipment
 - > PBX and Communications Systems
 - > Process Control Equipment
-
- > Equipment in Poor Power Conditions



CheckUPS II software and cable provided for a complete power management solution.

Active Voltage Regulation

FERRUPS has unprecedented ability to work with all types of input sources and loads. Plus, its Active Voltage Regulation converts power from almost any AC source into computer-grade power.

Longer Runtime

FERRUPS provides regulated output voltage without drawing power from the batteries for input voltages as low as 38-percent below nominal (based on size of load). This keeps the batteries fully charged for unexpected blackouts.

Eliminates Harmonics

FERRUPS stops harmful harmonic currents generated by widely used switch-mode power supplies (SMPS) from entering a building's wiring, where they could disrupt computer operations.

Computer Load Compatibility

FERRUPS can meet the demands of today's computer loads, including power-factor corrected, switch-mode, and linear power supplies.

Enhanced Communications with Free Software

Every FERRUPS unit comes bundled with free CheckUPS® II Suite power management software and connecting cable. CheckUPS II helps users monitor, diagnose, and react more effectively to power-line events, and provides automatic, unattended shutdown when needed. The CD-ROM-based software supports most major operating systems. A BestLink™ SNMP/WEB Adapter can be connected for remote network operations.

Increased Reliability

Independent studies show FERRUPS has a Mean Time Between Failure (MTBF) of more than 160,000 hours.

Enhanced Diagnostics

FERRUPS initiates automatic startup and performs scheduled tests on the logic board, battery, inverter, and other critical systems.

Comprehensive Warranty

FERRUPS is covered by our two-year limited warranty against factory or workmanship defects. We up the ante with our "Double Lifetime" limited warranty* that repairs or replaces your FERRUPS if damaged by lightning, and covers up to US\$25,000 for damage to connected equipment. Call the factory for details on these limited warranties.

*U.S. and Canada only.

**Best
Power**
UNINTERRUPTIBLE
POWER SYSTEMS

B E S T P O W E R N E V E R S T O P S

60Hz Specifications

| Models | 500VA | 700VA | 850VA | 1.15kVA | 1.4kVA | 10kVA | 12.5kVA | 18kVA | |
|---|---|-------------------------------|--------------|----------------|--------------------|--|--------------------|----------------------|-------------|
| Part No. | FE500VA | FE500VA | FE500VA | FE500VA | FE500VA | FE500VA | FE500VA | FE500VA | |
| Capacity (kVA/kW) | .5/.35 | .7/.5 | .8/.6 | 1.15/.8 | 1.4/1 | 10/7.5 | 12.5/10 | 18/15 | |
| AC Input & Output Voltages | 120/208/240, +15%,-20% (120V input not available on 10 to 18kVA models) | | | | | | | | |
| Input Connection (or circuit breaker required) | 6 ft. cord w/ NEMA 5-15P | | | | | 208=60A 240=50A | 208=75A 240=65A | 208=115A 240=100A | |
| Output Connection | (4) NEMA 5-15R | | | (6) NEMA 5-15R | | Hardwired output is standard. Contact factory for receptacle options. | | | |
| Efficiency % (on line) | 85 | 86 | 85 | 88 | 88 | 90 | 91 | 92 | |
| Heat (on line) | BTU/hr. kW/hr. | 210 0.062 | 277 0.081 | 361 0.106 | 372 0.109 | 465 0.136 | 2844 0.833 | 3375 0.989 | 4452 1.3 |
| Audible Noise (dBA) | 41 | 41 | 47 | 49 | 49 | 55 | 56 | 57 | |
| Typical Runtime: | Full Load (minutes) | 9 | 14 | 11 | 18 | 14 | 11 | 18 | 10 |
| | Half Load | 25 | 35 | 28 | 48 | 37 | 26 | 48 | 26 |
| Battery Charger (DC) | 12V, 4A | | | 12V, 8A | | 120V, 5A | | | |
| Weight | lb (includes batteries) | 62 28 | 79 36 | 85 39 | 132 60 | 154 70 | 875 397 | 1089 494 | 1362 618 |
| Dimensions: | (inches) | 12 x 10 x 21.25 | | | 15.1 x 15.2 x 20.2 | | 36.5 x 19 x 32 | | |
| H x W x D | (mm) | 305 x 255 x 540 | | | 385 x 390 x 515 | | 930 x 485 x 815 | | |
| | | Batteries in second cabinet** | | | | | | | |

*120V Standard Configuration. **Battery cabinet same size as UPS. All specifications subject to change without notice.

Lightning and Surge Protection: Outstanding 2000:1 spike attenuation using ANSI/IEEE C62.41 and C62.45 Category A and Category B tests.

Isolation (Incl. output N-to-G bond): Complete from line. Less than 2pF effective capacitance. Output neutral bonded to ground. Qualifies as a true, separately derived power source under NEC Article 250-5d.

Noise Rejection: Common Mode - greater than 120dB. Normal Mode - greater than 60dB.

Regulation: ±3% for input voltages from +15% to -20% of nominal. Exceeds recommended CBEMA and ANSI voltage regulation standards for computing equipment under any line, load, or battery conditions.

Continuous No-break Power: Continuous, no-break power during a complete power outage or momentary power interruption.

Sine-wave Power: Sine-wave, computer-grade power with 5% or less total harmonic distortion (THD) at rated kW load. Meets or exceeds CSA C22.2 No. 107.1 for harmonic distortion.

Switch-mode Power Supply-rated: VA ratings based on use with typical computer-grade switch-mode power supplies having a power factor of 0.7 to 0.83 and a crest factor of 2.7 to 3.5. Guaranteed compatible with all computer loads, including power factor-corrected.

Intelligent, Interactive Interface: RS-232 port featuring full-duplex serial communication, alarm contacts, inverter

contacts, and shutdown.

Reliability-engineered: Dual-track redundant configuration that uses either line or inverter source for power and is designed to meet or exceed an expected MTBF of over 160,000 hours.

Protection: Ferroresonant transformer provides inherent overload protection (current limiting). Some models have output receptacles protected by fuses or circuit breakers.

Overload Capability: 150% surge and 125% for 10 minutes on line. 150% surge and 110% for 10 minutes on inverter.

Frequency: 60 Hz nominal. On line, output frequency tracks input within adjustable limits (±0.01 Hz to ±3 Hz). On inverter, ±0.005 Hz.

Operating Temperature: 0° to 40° C.

Storage Temperature: -20° to +60° C (-20° to +40°C if battery is not removed).

Relative Humidity: 0 to 95% without condensation.

Ventilation Requirement: Clean, dust-free air, free of corrosive chemicals or other contaminants with proper air circulation.

High-altitude Operation: Maximum ambient operating temperature drops by 1° C per 305 meters (1000 feet) above sea level, with the maximum elevation being 3050 meters (10,000 feet).

Agency Approvals: UL 1778, CSA (cUL), FCC Class A.

Testing Standards: ANSI/IEEE C62.41 (1980); ANSI/IEEE C62.45 (1987); IEC 801-2, 801-3, 801-4, 801-5.

Best Power offers a complete line of Uninterruptible Power Systems from 280VA to 220kVA.



NEW! FERRUPS
2kVA to 7.5kVA



RACKMOUNT FERRUPS
850VA to 7kVA



TOWER FERRUPS
500VA to 1.4kVA
10kVA to 18kVA

Best Power
UNINTERRUPTIBLE
POWER SYSTEMS