

FE Series
500VA TO 18kVA
Unrivalled 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

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.

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.



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

FE Series 60Hz Specifications

Models	500VA	700VA	850VA	1.15kVA	1.4kVA	1.8kVA	2.1kVA	3.1kVA	4.3kVA	5.3kVA	7kVA	10kVA	12.5kVA	18kVA
Part Number	FE500VA	FE700VA	FE850VA	FE1.15kVA	FE1.4kVA	FE1.8kVA	FE2.1kVA	FE3.1kVA	FE4.3kVA	FE5.3kVA	FE7kVA	FE10kVA	FE12.5kVA	FE18kVA
Capacity (kVA/kW)	.5/.35	.7/.5	.85/.6	1.15/.8	1.4/1	1.8/1.25	2.1/1.5	3.1/2.2	4.3/3	5.3/3.7	7/5	10/7.5	12.5/10	18/15
Dimensions (inches)	12 x 10 x 21.25			15.1 x 15.2 x 20.2		21.2 x 15.25 x 22.9			29.5 x 15.5 x 25		36.5 x 19 x 32**			
H x W x D (mm)	305 x 255 x 540			385 x 390 x 515		540 x 390 x 585			750 x 395 x 635		930 x 485 x 815**			
Weight (lbs)	62	79	85	132	154	183	196	256	359	505	604	875	1089	1362
(kg)	28	36	39	60	70	83	89	116	163	229	274	397	494	618
Input Connection	6 ft. cord w/NEMA 5-15P*					6 ft. cord w/NEMA 5-20P*		6 ft. cord w/NEMA L5-30P*	120V/40A 208V/25A 240V/20A	120V/40A 208V/30A 240V/25A	120V/40A 208V/40A 240V/35A	208V/60A 240V/50A	208V/75A 240V/65A	208V=115A 240V=100A
Output Connection (quantity)	4			6		6			Hardwired output is standard					
(type)	NEMA 5-15R			NEMA 5-15R		NEMA 5-15R			Contact Factory for receptacle options					
Typical Runtime: (Full Load)	9	14	11	18	14	11	9	14	10	20	12	11	18	10
(minutes) (Half Load)	25	35	28	48	37	30	25	35	24	50	33	26	48	26
Operation														
Nominal Input Voltage	120/208/240											208/240		
Input Voltage Range	+15%, -20%													
Input Power Factor	0.98													
Nominal Output Voltage	120/208/240													
Output Voltage Regulation	± 3% for input voltages of +15% to -20%													
Output Voltage Waveform	Sine wave													
Output Voltage THD	5% or less at rated kW load													
Overload Capacity	150% surge and 125% for10 min. on line, 150% surge and 110% for 10 minutes on inverter													
Transfer Time	0 ms													
Lightning, Surge & Noise Protection	2000:1 spike attenuation using ANSI/IEEE C62.41 and C62.45 Category A and Category B tests. Common Mode - >120 dB. Normal Mode - >60dB													
Efficiency	85	86	85	88	88	90	90	91	90	90	90	90	91	92
Safety Certification	UL, CSA (cUL)													
EMI Compliance	FCC Class A													
Testing Standards	ANSI/EEE C62.41 (1980);ANSI/EEE C62.45 (1987); IEC 801-2, 801-4, 801-5													
Communication	RS-232 serial port (DB-25), plus contact closures													
Environmental														
Operating Temperature	0 to 40° C													
Storage Temperature	-20° C to +60° C													
Relative Humidity	0 to 95% without condensation													
Audible Noise at 1m	41	41	47	49	49	51	51	51	50	51	52	55	56	57
Altitude	3,050m (10,000 ft.) maximum													
All specifications subject to change without notice.														

*120 V Standard Configuration

**Batteries in second cabinet. Contact factory for weights and dimensions.



P.O. Box 280
Necedah, WI 54646 USA
1-800-356-5794
www.bestpower.com