UNINTERRUPTIBLE POWER SUPPLIES

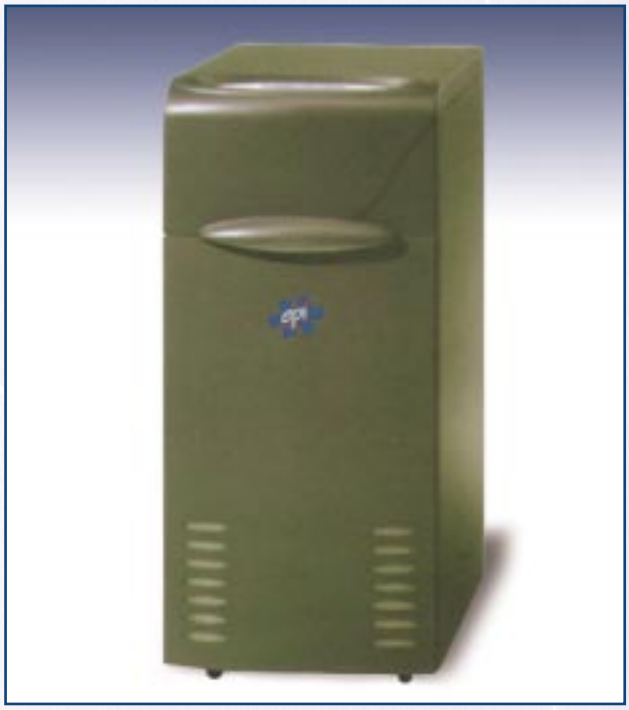
UPS

Uninterruptible Power Supplies

SM SERIES

EPI's SM Series UPS are compact true-on-line double conversion UPS' incorporating the latest Insulated Gate Bipolar Transistor (IGBT), High Frequency, Pulse Width Modulated (PWM) microprocessor controlled technology, offering the ultimate in power protection.

The SM Series is unique in that it incorporates the latest power and logic control technologies.



Have you protected your expensive business critical systems against power supply problems?

High-Availability

A unique feature of the SM Series is its parallel/parallel redundant capability making it the only UPS for critical IT systems. The UPS units are installed so that in the event of an UPS failure, one UPS would switch out of the circuit leaving the other UPS(s) to support the load.

Our solution is unique as there is no single point of failure. Each UPS has its own controls, static/manual bypass circuits which are fully synchronised across all the units.

The EPI Units operate an Enhanced Master/Slave concept whereby the first UPS turned on assumes the "Master" position and all other UPS(s) within the configuration assume the "Slave" position

Should the "Master" unit fail, a Slave unit will take over and become the "Master". The process is fully automatic and occurs without interruption to the power.

EPI's Enterprise Power System eliminates power as the single point of failure and maximises the system uptime of critical environments.

Do you have a reliable partner who understands high availability at the enterprise level and can provide you with a turn-key Power Protection solution?

Main Features:

- Wide input voltage range
- Small footprint
- LCD display
- High efficiency
- Internal Static and Manual Maintenance Bypass Switch
- Galvanic isolation during normal operation
- Intelligent automatic battery test (every 24Hrs)
- Compatible with all software platforms
- Onboard self diagnostic system
- (Remote) Monitoring and Auto-shut down software
- SNMP adaptor ready (option)
- Unique parallel/parallel redundant capability
- Isolation transformer on the inverter
- Extremely high short-circuit current (2.8In)
- BACK FEED protection against energy return to the mains
- Maximum care of the batteries temperature-dependent recharge
- Protection against deep battery discharge.

epi

Protecting your interests

TECHNICAL DETAILS

technical details

S5 Series	SM10	SM15	SM20	ST10	ST15	ST20	ST30
Input							
Nominal Voltage	3-phase+N 400V or 1-phase 230V			3-phase+N 400V			
Accepted Voltage Range	Nominal voltage ±20%						
Without passing to battery operation	46-65 Hz						
Frequency	1-phase input: 0.99						
Power Factor	3-phase input: 0.96						
By-Pass Line							
Voltage	1-phase 230V±15% selectable from ±5% to ±25%			3-phase+N 400V±15% selectable from ±5% to ±25%			
Frequency	50 / 60 Hz ±2% selectable from ±1% to ±5%						
Output							
Power KVA/KW (3-phase input)	10/8	15/12	20/16	10/8	15/12	20/16	30/24
Power KVA/KW (1-phase input)	10/8	15/10,5	20/12	-	-	-	-
Nominal Voltage	1-phase 230V			3-phase+N 400V			
Voltage regulation via operator panel	200-246V			346-422			
Voltage stability	Static ±1%, dynamic ±5% in 10msec						
Voltage waveform and distortion	Sinusoidal, distortion: 2% with linear load; 5% with non linear load						
Frequency	50/60 Hz selectable						
Frequency Stability	±0.05% on battery; ±2% with mains synchronism selectable from ±1% to ±5%						
Crest Factor	3:1						
Overload	110% for 300min: 125% for 10min., 150 for 1min						
System							
Efficiency: On line / Eco mode	93% / 98%						
Operating Altitude without Derating	1000mt a.s.l.						
Noise in db (A) at 1 meter	54 to 60						
Depending on Load and Temperature							
Batteries: No./Volt	32/12	48/12	48/12	32/12	48/12	48/12	48/12
Operating Temperature	0° - 40°C						
Humidity (non condensing)	95%						
Standards	Safety EN 50091-1-1, EMC EN50091-2 Lev.A						
Remote Signalling	3 x free voltage contacts; 1 x auxillary powwer supply 12V dc 80mA						
Computer Interfaces	2 x RS232/C, 1 x SNMP adapter (option)						
Remote Control Commands	Emergency Power Off (EPO), inverter power off						
Dimensions W x D x H (mm)	450 x 750 x 1200						
Weight without battery (kg)	112	122	123	114	122	124	140
Protection degree	IP20						
Colour	RAL 7024 (dark grey)						

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