

Enhanced Power Services Limited

Features

- High frequency, double conversion on-line technology
- Fully digital DSP control
- User friendly LCD interface
- Wide input voltage range
- Cold start function
- Advanced battery management
- Selectable ECO mode for high efficiency operation
- Automatic battery charge in UPS off mode
- Lightning and surge protection
- Short circuit and overload protection
- Automatic fan speed control with load variation
- Smart RS232 communications with monitoring software
- USB communications port included
- Optional relay or SNMP communications card
- Matching EE battery packs available
- E suffix models have no internal battery and increased charging capacity



single phase 1-3kVA

200 series UPS

UPS Model		201	202	203
Capacity		1kVA / 700w	2kVA / 1400w	3kVa / 2100w
Input	Voltage Range	115V AC - 295V AC, load < 70%		
		160V AC - 295V AC, load > 70%		
	Phase	Single Phase		
	Frequency	46 - 54Hz ±0.5Hz or 56 - 64Hz ±0.5Hz (auto sensing)		
	Power Factor	0.97		
Output	Voltage	208/220/230/240V AC ±2%		
	Phase	Single Phase		
	Frequency	50 / 60Hz ±0.2% (auto selected at start up)		
	THD (Linear Load)	< 3 %		
	THD (Non-Linear Load)	< 6 %		
	Overload Capability	>110% for 30 sec then transfer to bypass		
		>150% for 0.3 sec then transfer to bypass		
	Crest Factor	3:1 (max)		
	Power Factor	0.7		
	Short Circuit Protection	On-line mode: Inverter turns off after 5 cycles, inhibits transfer to the bypass & provides an alarm		
		Battery mode: Inverter turns off after 5 cycles & provides an alarm		
Bypass mode: AC input fuse blows or circuit breaker operates				
Waveform	Sine Wave			
Transfer Time	0ms (between on-line mode & battery mode)			
Efficiency	On-line mode: 83%		On-line mode: 85%	
Battery	Model	12V valve regulated lead acid maintenance free		
	DC Voltage	24V DC	48V DC	72V DC
	Battery	2x 12V / 9Ah	4x 12V / 9Ah	6x 12V / 9Ah
	Backup Time At Half Load	11 mins	11 mins	11 mins
	Backup Time At Full Load	4 mins	4 mins	4 mins
	Charge Current	Internal Battery: 1A External Battery: 4A (E suffix)		
Recharge Time	90% capacity after 8 hours charging			
Environment	Temperature	0°C to +40°C		
	Relative Humidit	0 - 95% (non-condensing)		
	Altitude	1500m maximum		
	Storage Temperature	-25°C to +55°C		
Communication	Standard: RS232, USB Optional: SNMP or Relay Card			
LCD Display	Measurements: Input/output voltage/freq, battery voltage, load power and kVA, UPS temperature. Operation mode: On-line, Battery, Bypass			
LED Indication	Green LED: Normal operation Yellow LED: Warning condition Red LED: Abnormal operation			
Noise Level	< 45dBA			
Safety & EMC	CE marked to 2006/95/EC & 2004/108/EC Tested to EN62040-1-1:2003 & EN62040-2:2006			
Weight & Dimensions	Standard Unit Weight	10.0kg / E suffix 5.2kg	21.0kg / E suffix 11.0kg	25.0kg / E suffix 11.0kg
	Dimensions (H x W x D)	215 x 144 x 361 mm		337 x 191 x 428 mm
Standard Accessories	Control Software	Yes	Yes	Yes
	Input & Output Leads	Yes	Yes	Yes
	Data Lead	Yes	Yes	Yes
	User Manuals	Yes	Yes	Yes