

Enhanced Power Services Limited

Features

- High frequency, double conversion on-line technology
- Fully digital DSP control
- User friendly LCD interface
- Wide input voltage range
- Integral 'hot-swap' maintenance bypass module
- 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
- Parallel capacity or redundancy (maximum 4 units)
- Optional Emergency Power Off facility
- Smart RS232 communications with monitoring software
- Optional relay or SNMP communications card
- Matching EE2000 battery packs available
- E suffix models have no internal battery and increased charging capacity



single phase 6-10kVA

200 series UPS

UPS Model		206	206E	2010	2010E	
Capacity		6000VA / 4800W		10000VA / 8000W		
Input	Voltage Range	120V AC - 276V AC				
	Phase	Single Phase				
	Frequency	40 - 70Hz				
	Power Factor	≥0.99				
Output	Voltage	220 / 230V AC ±2%				
	Phase	Single Phase				
	Frequency	50 / 60Hz (user adjustable)				
	THD (Linear Load)	≤ 2 %				
	THD (Non-Linear Load)	≤ 6 %				
	Overload Capability	≤ 130% load for 10 min then transfer to bypass				
		> 130% load for 1 sec then transfer to bypass				
	Crest Factor	3:1 (max)				
	Power Factor	0.7 (16 or 18x 12V batteries) or 0.8 (20x 12V batteries)				
	Short Circuit Protection	On-line mode: ≥ 5 cycle duration, inverter turns off, no transfer to bypass, unit alarms				
		Battery mode: ≥ 5 duration, inverter turns off, bypass unavailable, unit alarms				
		Bypass mode: Input fuse blows or breaker operates, no alarm				
Waveform	Sine Wave					
Transfer Time	0ms (between on-line mode & battery mode)					
Efficiency	On-line mode: ≥ 90%					
Battery	Model	12V valve regulated lead acid maintenance free				
	DC Voltage	192V DC	192/216/240V DC	192V DC	192/216/240V DC	
	Battery	16x 12V / 9Ah	16/18/20x 12V	16x 12V / 9Ah	16/18/20x 12V	
	Backup Time At Half Load	14.3 min	Depends on external battery	6.5 min	Depends on external battery	
	Backup Time At Full Load	4 mins	Depends on external battery	2.5 min	Depends on external battery	
	Charge Current	1.0A	1.0 - 6.0A (selectable)	1.0A	1.0 - 6.0A (selectable)	
	Recharge Time	90% capacity after 8 hours	Depends on external battery	90% capacity after 8 hours	Depends on external battery	
Environment	Temperature	0°C to +40°C				
	Relative Humidity	0 - 95% (non-condensing)				
	Altitude	1500m maximum				
	Storage Temperature	-25°C to +55°C				
Communication	Standard: RS232 Optional: USB, 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	< 55dBA					
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 (net / gross)	77kg / 84kg	35kg / 42kg	80kg / 87kg	38kg / 45kg	
	Dimensions (H x W x D)	655 x 250 x 590 mm			655 x 250 x 590 mm	
Standard Accessories	Control Software	Yes				
	Input, Output & Battery Leads	Yes				
	Data Lead & User Manuals	Yes				