

Features

- High frequency, double conversion on-line technology
- Fully digital DSP control
- 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



Specifications

UPS Model		E206	E206E	E2010	E2010E
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 Range	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	5.5 min	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 (Nett / 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	Optional extra			
	Data Lead & User Manual	Yes			

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