

## E200+ Series UPS Single Phase 1-3kVA 0.9PF

### Features:

- High frequency, double conversion online technology
- Fully digitised DSP control
- Wide input voltage range
- Cold start and programmable auto re-start functions
- 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
- Emergency Power Off facility
- Smart RS232 comms with monitoring software
- USB communications port included
- Optional relay or SNMP communications card
- Matching EE+ battery packs available
- Programmable load shedding in battery mode



### Specifications

UPS Model		E201+	E202+	E203+
<b>Capacity</b>		1000VA/900W	2000VA/1800W	3000VA/2700W
<b>Input</b>	Voltage Range	160V AC - 295V AC		
	Phase	Single		
	Frequency	46 - 54Hz ±0.5Hz or 56 - 64Hz ±0.5Hz (auto sensing)		
	Power Factor	>0.98		
<b>Output</b>	Voltage	200/208/220/230/240V AC ±2% (factory Set)		
	Phase	Single		
	Frequency Range	50 / 60Hz ±0.2% (auto selected at start up)		
	THD (Linear Load)	<3%		
	THD (Non-Linear Load)	<5%		
	Efficiency	ECO mode: ≥94%	AC mode: ≥89%	Battery mode: ≥84%
	Overload Capability	Up to 130% for 30 sec then transfer to bypass 130% - 200% for 0.3 sec then transfer to bypass >200% for 0.2 sec then transfer to bypass		
	Crest Factor	3:1 (maximum)		
	Power Factor	0.9		
	Short Circuit Protection	Online mode: Inverter turns off after 5 cycles, inhibits transfer to the bypass and provides an alarm Battery Mode: Inverter turns off after 5 cycles and provides an alarm Bypass mode: AC input fuse blows or circuit breaker operates		
Waveform	Sine wave			
Transfer Time	0ms (between online mode & battery mode)			
<b>Battery</b>	Model	12V valve regulated lead acid maintenance free		
	DC Voltage	36V DC	72V DC	72V DC
	Battery	3x 12V / 9Ah	6x 12V / 9Ah	6x 12V / 9Ah
	Backup Time at Half Load	14 minutes	14 minutes	8 minutes
	Backup Time at Full Load	5 minutes	5 minutes	3 minutes
	Charge Current	Internal Battery: 1A		
	Recharge Time	90% capacity after 5 hours charging		
<b>Environment</b>	Temperature	0 to +40°C		
	Relative Humidity	1000m at rated power		
	Altitude	1500m (maximum without derate)		
	Storage Temperature	-25 to +55°C		
<b>Communication</b>	Standard: RS232, USB		Optional: SNMP or Relay Card	
<b>LCD Screen</b>	Measurements: Input / Output voltage / frequency, battery voltage, load power and kVA, UPS temperature Operation mode: Online, Battery, Bypass			
<b>LED Indication</b>	Green LED: Normal operation    Yellow LED: Warning condition    Red LED: Abnormal operation			
<b>Noise Level</b>	55dBA			
<b>Safety and EMC</b>	CE marked to 2006/95/EC & 2004/108/EC		Tested to EN62040-1-1:2003 & EN62040-2:2006	
<b>Weight &amp; Dimensions</b>	Standard Unit Weight	13.0kg	24.6kg	25.5.0kg
	Dimensions (H x W x D)	215 x 144 x 409 mm		337 x 199 x 466 mm
<b>Standard Accessories</b>	Control software	Yes	Yes	Yes
	Input & Output Leads	Yes	Yes	Yes
	Data Lead	Yes	Yes	Yes
	User Manuals	Yes	Yes	Yes

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