

Enhanced Power Services Limited

Features

- High frequency, double conversion on-line technology
- Rotatable LCD – suitable for 19" rack or slim tower
- Fully digital DSP control
- 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
- Emergency Power Off facility
- Smart RS232 communications with monitoring software
- USB communications port included
- Optional relay or SNMP communications card
- Matching EER+ battery packs available
- Programmable load shedding in battery mode



single phase 2 kVA

E200R+ UPS

UPS Model		E202R+		
Capacity		2000VA / 1800W		
Input	Voltage Range	160V AC - 295V AC		
	Phase	Single Phase		
	Frequency	46 - 54Hz \pm 0.5Hz or 56 - 64Hz \pm 0.5Hz (auto sensing)		
	Power Factor	> 0.98		
Output	Voltage	208/220/230/240V AC \pm 2% (factory set)		
	Phase	Single Phase		
	Frequency	50 / 60Hz \pm 2%		
	THD (Linear Load)	< 3 %		
	THD (Non-Linear Load)	< 5 %		
	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 (max)		
	Power Factor	0.9		
	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		\geq 89% AC mode		
		\geq 84% battery mode		
Battery	Model	12V valve regulated lead acid maintenance free		
	DC Voltage	72V DC		
	Battery	6x 12V / 9Ah		
	Backup Time At Half Load	14 mins		
	Backup Time At Full Load	5 mins		
	Charge Current	Internal Battery: 1A		
Recharge Time	90% capacity after 5 hours charging			
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, 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	< 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	31.3kg		
	Dimensions (H x W x D)	865 x 440 x 690 mm		
Standard Accessories	Control Software	Yes	Data Lead	Yes
	Input & Output Leads	Yes	User Manuals	Yes