

# 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

INTELLIGENT SLOT  
FOR SNMP OR RELAY CARD



single phase 1 kVA

**E200R+ UPS**

UPS Model		E201R+
Capacity		1000VA / 900W
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	36V DC
	Battery	3x 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 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	< 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	18.7kg
	Dimensions (H x W x D)	865 x 440 x 430 mm
Standard Accessories	Control Software	Yes
	Input & Output Leads	Yes
	Data Lead	Yes
	User Manuals	Yes