



e-series

600-1500 VA

LINE-INTERACTIVE



The E-Series includes the 600-800-1200-1500 VA models and uses digital technology. The load is powered from the mains through an AVR to stabilise brownout, sag and surge voltages, and EMI filters to suppress spikes and transients.

When the mains fails, the load is powered by the inverter with a pseudo sinewave to provide sufficient runtime for computer system shutdown using the UPS monitoring software supplied as standard.

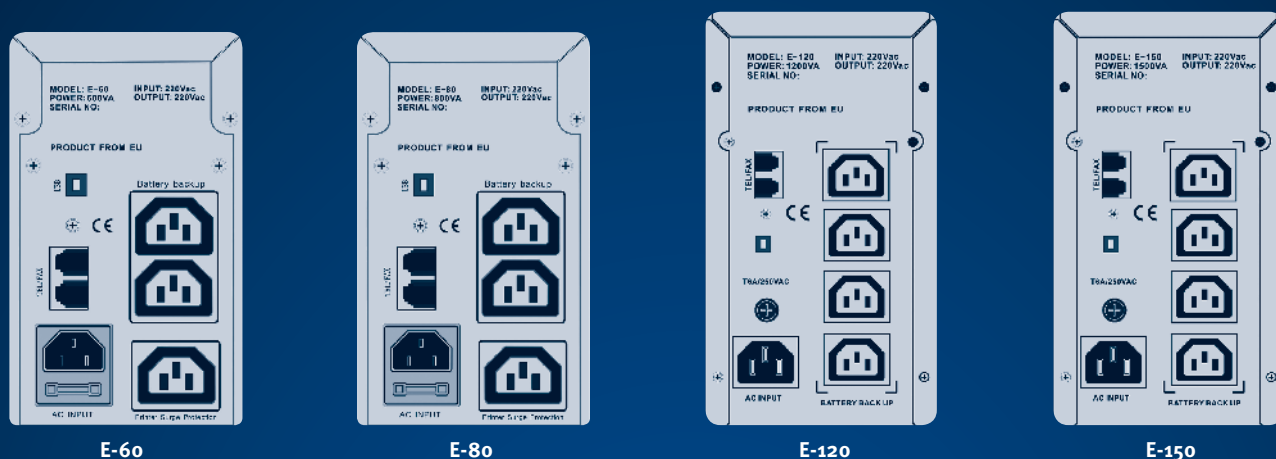
The UPS also incorporates a filtered socket for telephone and fax line cable protection.

Features

- Line-interactive design
- Highly reliable system with fully microprocessor control
- SMD technology
- Wide input voltage and frequency windows
- Boost and buck AVR
- LED indication
- Lightening and surge protection (up to 130%)
- Short-circuit and overload protection
- Energy saving function with UPS green mode
- Automatic charging in UPS off mode
- Automatic self-detection when start-up
- Auto restart at power-up
- Compatible with generators
- Intelligent battery management
- USB interface
- Integrated protection for telephone/modem



Input/Output Rear Panels:



Technical Specifications:

Model		E-60	E-80	E-120	E-150
Power		600VA 360W	800VA 480W	1200VA 720W	1500VA 900W
Input	Phase	Single phase			
	Voltage range	(80-135VAC $\pm 5V$) or (140-285VAC $\pm 5V$)			
	Frequency	For 110V input / For 220V input			
Output	Voltage (battery mode)	110V $\pm 5\%$ / 220V + 17%-22%			
	Frequency	AC mode: follow utility; battery mode: Factory setting			
	Wave form	AC mode: Sine wave, Battery mode: Simulated sine wave			
	Transfer time	Typical 8ms			
Protection	Surge protection	320 Joules			
	Input protection	Compliance with IEEE587			
	Short circuit	Fuse			
	Overload	AC mode: 100-120% for 3 min. 120-130% for 30 sec. $\geq 130\%$ UPS turns off battery mode: $\geq 100\%$ after for 10sec. UPS turns off			
Communication		RJ45, USB (optional)			
Battery	Battery type	Sealed lead acid, maintenance free			
	Recharge	After fully discharge, less than 10 hours to 90%capacity			
	Back-up time	6min (50% load)		8min (50% load)	
	Charge current	Max1.2A for 600VA; Max1.5A for 800VA; Max3A for 1200VA and 1500VA			
	Battery configuration	1x12/7Ah	1x12/9Ah	2x12/7Ah	2x12/9Ah
Indication	AC mode	Green LED on, red LED off, no beep			
	Charging battery	Yellow LED on			
	Battery mode	Green LED and yellow LED off. Red LED flash, buzzer slow beep			
	Battery low	Red LED on, buzzer fast beep			
	Audible noise at 1m	$\leq 45dB$			
Others	Temperature	0-40°C (no condensing)			
	Relative humidity	5%-95%			
	Net/Gross weight (kg)	6.3/6.6	6.8/7.2	12.8/13.3	13/13.7
	Unit dimension (WxDxH)mm	95 x 312 x158		124 x 372 x 223	
	Packing dimension (WxDxH)mm	145 x 370 x 230		185 x 455 x 313	