Enhanced Power Services Limited

E600 series UPS

single phase 4-100kVA

Features

- Flexible and expandable UPS power solution
- Modular design capable of housing up to 10x power modules
- Power modules available in 4, 6 and 10kVA ratings
- Configurable N+1 modular redundancy
- 19" cabinets available in full and half height format
- High frequency double conversion on-line technology
- Wide input voltage range
- Intelligent battery charge management
- Programmable battery charge current
- Short circuit and overload protection
- EMI and RFI noise filtering
- Smart RS232 communication with monitoring software
- Fully digitised microprocessor control
- Large touch screen LCD interface
- Built-in maintenance bypass
- Emergency Power Off function
- Optional SNMP card or relay card
- Optional hot plug internal batteries

UPS Model		E61150 (Half Height 5 Modules)	E611100 (Full Height 10 Modules)
Capacity		4 - 50kVA / 3.2 – 40kW	4 - 100kVA / 3.2 – 80kW
Input	Voltage Range	120 to 276V AC Line - Neutral	
	Phase	1 Phase & Earth	
	Frequency	40 to 70Hz	
	Power Factor	≥ 0.99	
Output	Voltage	220 / 230V AC Line - Neutral (user adjustable)	
	Phase	1 Phase & Earth	
	Frequency	50 / 60Hz (user adjustable)	
	THD (Linear Load)	≤ 2% linear load / ≤ 5% non-linear load	
	THD (Non-Linear Load)	On-line mode: ≥ 90%	
	Overload Capability	≤ 110% load for 60 min then transfer to bypass ≤ 125% load for 10 min then transfer to bypass	
		≤ 150% load for 1 min then transfer to bypass ≥ 150% load results in automatic shutdown of UPS	
	Crest Factor	3:1	
	Power Factor	0.8	
	Short Circuit Protection	Yes	
	Waveform	Sine Wave	
	Transfer Time	0ms (between on-line mode and battery mode)	
Battery	DC Voltage	Configurable 16/18/20x 12V mono blocks (192V / 216V / 240V DC Nominal)	
	Charge Current	6A (per module)	
	Recharge Time	Depends on battery capacity and charge current	
Environment	Temperature	0ºC to +40ºC	
	Relative Humidit	0 - 95% (non-condensing)	
	Altitude	1500m maximum	
	Storage Temperature	-25ºC to +55ºC	
Communication		Standard: RS232, USB Optional: SNMP or Relay Card	
LCD Display	Touch Display	Green LED: Normal operation Yellow LED: Battery mode Yellow LED: Bypass mode Red LED: Abnormal operation	
LED Indication		Green LED: Normal operation Yellow LED: Warning condition Red LED: Abnormal operation	
Noise Level		< 62dBA	
Safety & EMC		CE marked Tested to EN/IEC62040-1-1 & EN/IEC62040-2	
Weight & Dimensions	Standard Unit Weight	150kg (without modules)	213kg (without modules)
	Dimensions (H x W x D)	1400 x 600 x 840	2000 x 600 x 840
Standard Accessories	Control Software	No (unless SNMP option is specified)	
	Data Lead	No	
	User Manuals	Yes	

Module Type	E61104H	E61106H	E61110H
Capacity	4kVA / 3.2kW	6kVA / 4.8kW	10kVA / 8kW
Weight & Dimensions	21kg	23kg	25kg
	131 x 443 x 580 mm		