

# Enhanced Power Services Limited

## 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



3:1 phase 4-100kva

E600 series UPS

UPS Model		E63150 (Half Height 5 Modules)	E631100 (Full Height 10 Modules)
Capacity		4 - 50kVA / 3.2 – 40kW	4 - 100kVA / 3.2 – 80kW
Input	Voltage Range	208 to 478V AC Line - Line	
	Phase	3 Phase 4 Wire & 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	0°C to +40°C	
	Relative Humidity	0 - 95% (non-condensing)	
	Altitude	1500m maximum	
	Storage Temperature	-25°C to +55°C	
Communication	Standard: RS232 / RS485 Optional: SNMP or relay card		
LCD Display	Touch 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: Battery mode Yellow LED: Bypass mode 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	E63104H	E63106H	E63110H
Capacity	4kVA / 3.2kW	6kVA / 4.8kW	10kVA / 8kW
Weight & Dimensions		21kg	23kg
		131 x 443 x 580 mm	