

Enhanced Power Services Limited

Features

- Flexible and expandable UPS power solution
- High frequency double conversion on-line technology
- 19" cabinets available in full and half height format
- Modular design capable of housing up to 10x power modules
- 1:1 and 3:1 power modules available in 4, 6 and 10kVA ratings
- 3:3 power modules available in 10, 15 and 20kVA ratings
- Configurable N+1 modular redundancy
- Parallel system capability on 3:3 models (max 4x cabinets)
- Wide input voltage range
- Intelligent battery charge management
- 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



single / three phase / 3:1 4-200kva

E600 series UPS

Cabinet Model		E61150	E611100	E63150	E631100	E633100	E633200
Maximum rating		4 - 50kVA 3.2 - 40kW	4 - 100kVA 3.2 - 80kW	4 - 50kVA 3.2 - 40kW	4 - 100kVA 3.2 - 80kW	10 - 100kVA 9 - 90kW	10 - 200kVA 9 - 180kW
Input	Voltage Range	120 to 276V AC Line - Neutral		208 to 478V AC Line - Line		208 to 478V AC Line - Line	
	Phase	1 Phase 2 Wire & Earth		3 Phase 4 Wire & Earth		3 Phase 4 Wire & Earth	
	Frequency	40 to 70Hz					
	Power Factor	≥ 0.99					
Output	Voltage	220 / 230V AC Line - Neutral		220 / 230V AC Line - Neutral		380 / 400 / 415V AC Line - Line	
	Phase	1 Phase 2 Wire & Earth		1 Phase 2 Wire & Earth		3 Phase 4 Wire & Earth	
	Frequency	50 / 60Hz					
	THD	≤ 2% linear load / ≤ 5% non-linear load					
	Efficiency	On-line mode: ≥ 90%				On-line mode: ≥ 92%	
	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		0.8		0.9	
	Short Circuit Protection	Yes					
	Waveform	Sine Wave					
Transfer Time	0ms (between on-line mode and battery mode)						
Battery	DC Voltage	16/18/20x 12V mono blocks 192V / 216V / 240V DC				32/34/36/38/40 x 12V mono blocks 384V / 408V / 432V / 456V / 480V DC	
	Charge Current	6A (per module)					
	Recharge Time	Depends on battery capacity and charge current					
Environment	Temperature	0°C to +40°C					
	Relative Humidit	0 - 95% (non-condensing)					
	Altitude	1500m maximum					
Communication	Standard: RS232 / RS485, Optional: SNMP or Relay Card						
LCD Display	Touch Display	Measurements: Input / output, voltage / frequency, 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	213kg	150kg	213kg	170kg	230kg
	Dimensions (H x W x D)	1400 x 600 x 840	2000 x 600 x 840	1400 x 600 x 840	2000 x 600 x 840	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	E63104H	E63106H	E63110H	E63310H	E63315H	E63320H
Capacity	4kVA	6kVA	10kVA	4kVA	6kVA	10kVA	10kVA	15kVA	20kVA
Weight & Dimensions	21kg	23kg	25kg	21kg	23kg	25kg	26kg	30kg	31kg
	131 x 443 x 580 mm (3U)								