

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



Specifications

UPS Model		E61150 (Half Height < 5 Modules)	E61100 (Full height < 10 Modules)	
Capacity		4 - 50kVA / 3.2 - 40kW	4 - 100kVA / 3.2 - 80kW	
Input	Voltage range	176V AC to 275V AC Line - Neutral		
	Phase	3 Phase 4 Wire & Earth		
	Frequency	40 - 70Hz		
	Power Factor	> 0.99		
Output	Voltage	220/230V AC +2%		
	Phase	Single phase		
	Frequency Range	50 / 60Hz (user adjustable)		
	THD	< 2%		
	Efficiency	< 6%		
	Overload Capability	<130% load for 10 min then transfer to bypass > 130% load for 1 sec then transfer to bypass		
	Crest Factor	3:1 (max)		
	Power Factor	0.7 (16 or 18x 12V batteries) or 0.8 (20x 12V batteries)		
	Short Circuit Protection	On-line mode: > 5 cycle duration, inverter turns off, no transfer to bypass, unit alarms Battery mode: > 5 duration, inverter turns off, bypass unavailable, unit alarms Bypass mode: Input fuse blows or breaker operates, no alarm		
	Waveform	Sine wave		
Transfer Time	0ms (between on-line mode & battery mode)			
Battery	DC Voltage	12V valve regulated lead acid maintenance free		
	Charge Current	192V DC	192 / 216 / 240V DC	
	Recharge Time	16x 12V / 9Ah	16 / 18 / 20x 12V blocks	
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	Touch screen 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) mm	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	Standard Unit Weight	21kg	23kg	25kg
	Dimensions (H x W x D) mm	131 x 443 x 580 mm		

Dale Power Solutions Ltd reserves the right to make changes in specification without notice or liability. All information is subject to Dale Power Solutions own data & is considered accurate at time of publishing.

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