

TECHNICAL SPECIFICATIONS

MODEL	EL-650	EL-850	EL-1000	EL-1200	EL-1500	EL-2000	EL-3000
Capacity (kVA/kW)	650VA / 390W	850VA / 510W	1000VA / 600W	1200VA / 720W	1500VA / 900W	2000VA / 1200W	3000VA / 1800W
INPUT							
Voltage	220 / 230 / 240 VAC						
Voltage Range	162 - 295 VAC						
Frequency	50 / 60 Hz Auto-Sensing						
OUTPUT							
Power Factor	0.6						
Voltage (Mains Operation)	220 / 230 / 240 VAC ± 12%						
Voltage (Battery Operation)	220 / 230 / 240 VAC +3% / -10%						
Waveform	Simulated Sine Wave						
Output Voltage Harmonic (THDv)	< 3%						
Frequency (Battery Operation)	50 / 60 Hz ±0.5%						
Transfer Time	5ms						
Overload	10 min at 110% (Mains Mode); 10 sec above 100% (Battery Mode)						
Number of Outlets	2	2	2	3	3	3	3
BATTERY							
Type	Maintenance-free Sealed Lead Acid Battery						
Charging Time	2-4 hours (90% capacity)						
Nominal DC Voltage	24VDC		24VDC			48VDC	
Battery Quantity	2 x 12V 7Ah		4 x 12V 7Ah			4 x 12V 9Ah	
Protection	Overload, short circuit, deep discharge protection, battery replacement indicator						
Battery Management	YES						
DISPLAY							
LED Display	Mains normal, Backup, UPS fault and battery status						
LCD Display	Load Level, Battery Level, Bypass, AVR, Low Battery, Replace Battery, UPS Fault, Overload						
ALARM							
Alarms	Power Failure, Battery Level Low, Overload and Fault						
PROTECTION							
Lightning Protection	320 joules						
Overload Protection	110% load 20s, 125% load 2s						
Short Circuit Protection	Fuse protection for short circuit and overload						
ENVIRONMENT / STANDARDS							
Operating Temperature	0-40 °C						
Humidity	0 - 90% (Non-condensing)						
Noise Level (at 1 meter)	< 40 dBA			< 45 dBA			
Protection Class	IP20						
Standards	EN 62040-1-1 (Safety), EN 62040-2 (EMC)						
DIMENSIONS							
Dimensions (W x D x H)	100 x 280 x 142 mm			175 x 370 x 247 mm		175 x 427 x 247 mm	
Net Weight (kg)	7.5 kg			15.5 kg		23 kg	



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