

Model	ELOS-50	ELOS-60	ELOS-80	ELOS-100	ELOS-120	ELOS-150	ELOS-200	ELOS-250
KVA	50	60	80	100	120	150	200	250
Capacity (100% Unbalanced Load) (Balanced Load Optional)	40 KW	48 KW	64 KW	80 KW	96 KW	120 KW	160 KW	200 KW

AC INPUT

Input voltage	415 VAC +15, - 20 %
Input Frequency	50 Hz +/- 6 %

DC CHARGER

Battery Voltage	360V-384V
Rectifier	ATM Tech. Boost and Float mode

AC OUTPUT

Technology	IGBT Based PWM Inverter using Micro Controller
Output voltage	400 VAC +/- 2 %
Output Frequency	50 Hz +/- 0.5 %
Output Power factor	0.8 to 1 lag
Output waveform	PWM Sine wave
Phase Displacement	120° ± 1°
Crest Factor	4 : 1
Galvanic Isolation	Inbuilt Galvanic Isolation Transformer Provided
Harmonic Distortion	Less than 3 % on Linear Load
Transient Recovery	+ 4 % from 0 to Full load and corrected within 60 msec.
Inverter Efficiency	> 92 % Depending on DC voltages

INDICATIONS & ALARMS

Indications	Mimic Display*, Mains on, Inverter On, Battery Low, Over Load, Output Under Voltage, Output Over Voltage, DC Over Voltage, I/p Single Phasing / Phase Reversal
Audible Alarm	Intermittent beep for 30 sec. On mains fail. Battery low pre-alarm at 80 % of Battery discharge. Intermittent Beep for all other Trip Conditions

eARD - EMERGENCY AUTO RESCUE DEVICE*

eARD	Micro controller based Wireless Digital Scrolling with Voice messeging - To Display the status - Lift is running on Mains, Lift on Battery, Battery % charge remaining, Battery Low Pre-alarm, Battery Low - DO NOT USE LIFT, Mains Supply Single Phasing- Call Electricity Board PH. No.---, Mains Supply Phase Reversal - Call Electrician PH. No.----, Project Developed By ----, RENUTRON Service Helpline No. 9371776979
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METERING

Digital Metering and Fault Indications	Micro controller based Digital Scrolling LCD to Display* - I/P voltage , O/P Voltage, Load Current, Load %, Charging Current, Battery Voltage, % Battery Charge. Fault indications – Mains Off, O/p under voltage / over voltage, Battery Low pre-alarm & Trip, DC Over voltage, Output Overload, I/p under voltage / over voltage, I/p Single Phasing / Phase Reversal
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PROTECTIONS

Protections	Output Overload (110% -Continuous, 150% - 30 Sec, 300% - 5 seconds), Output short circuit, Battery low trip, DC over voltage, Output under voltage / over voltage, Input under voltage / over voltage, I/p Single Phasing / Phase Reversal, Over Temperature, Input Surge Protection through MOV, Common ELCB at UPS output for multiple Lifts*
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ADDITIONAL FEATURES*

Communication	GSM Modem for SMS Alerts to user and service center for any Fault condition, eARD
Input Auto Phase Corrector	Built-in Input Auto Phase Correction provided in case of i/p supply Phase Reversal
Wider Input Range	Input supply range can be extended as per site requirement, helpful in case of Rural or sites with heavy fluctuation of mains supply

GENERAL

Bypass Facility	Manual (Through Rotary Switch) / Static Bypass Switch (10 - 18 msec C/O time)*		
Audible Noise	Less Than 70 dB at 1 meter		
Design ambient	0-50° C		
Relative Humidity	Max. 95 % Non Condensing		
Enclosure	M.S. Powder coated with castor wheels (Turbo Model without Castor wheels)		
Dimensions in mm (LxWxH)	1200x570x1000	1400x570x1200	
Dimensions in mm (LxWxH) TURBO	900x1000x1650	1000x1000x1650	1000x2000x1650