

Model	ELOS-06	ELOS-08	ELOS-12	ELOS-15	ELOS-20	ELOS-25	ELOS-30	ELOS-40
KVA	6	8	12	15	20	25	30	40
Capacity (Balanced Load)	4.8 KW	6.4 KW	9.6 KW	12 KW	16 KW	20 KW	24 KW	32 KW
	100 % Unbalanced Load* (optional)							

AC INPUT

Input voltage	415 VAC +15, - 20 % / 230VAC +15, -20% *
Input Frequency	50 Hz +/- 6 %

DC CHARGER

Battery Voltage	72V-96V	96V-180V	144V - 240V	240V-360V	360V
Rectifier	ATM Tech. Boost and Float mode				

AC OUTPUT

Technology	Mosfet / 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	87 % - 93 % 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
------	---

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
--	---

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*
-------------	---

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
Healthy Phase Selector	For 1 ph Input UPS Healthy Phase Selector in case of Mains Supply Single Phasing
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 60 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)	770x420x750	980x500x850	980x500x850	1200x570x1000