

RENUTRON POWER SOLUTIONS (I) PVT. LTD.

TECHNICAL SPECIFICATIONS - ONLINE UPS 1 KVA - 4 KVA (1 ph- 1 ph)

Model	ON-01	ON-02	ON-03	ON-04
Capacity	1 KVA / 800W	2 KVA / 1600W	3 KVA / 2400W	4 KVA / 3200W

AC INPUT

Input voltage	230 VAC \pm 20 %
Input Frequency	50 Hz \pm 6 %
Input Power factor	0.85 to Unity*

DC CHARGER

Battery Voltage	36V	48V	72V	96V
Rectifier	ATM Technique (Float cum Boost), CVLC / IGBT based PFC Type*			

AC OUTPUT

Technology	Mosfet/IGBT Based Double Conversion PWM Inverter using Micro Controller
Output voltage	230 VAC \pm 1 %
Output Frequency	50 Hz \pm 0.5 %
Output Power factor	0.8 to 1 lag
Output waveform	PWM Sine wave
Galvanic Isolation	Inbuilt Galvanic Isolation Transformer Provided
Harmonic Distortion	Less than 3 % on Linear Load
Transient Recovery	\pm 4 % from 0 to Full load and corrected within 60 msec.
Inverter Efficiency	85 % - 90 % Depending on DC voltages

INDICATIONS & ALARMS

Indications	Mains on, Inverter On, Battery Low, Over Load, Output Under Voltage, Output Over Voltage, DC Over Voltage
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

METERING (Optional)

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, Inverter Off, O/p under voltage / over voltage, Battery Low pre-alarm & Trip, DC Over voltage, Output Overload.
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PROTECTIONS

Protections	Output Overload, Output short circuit, Battery low trip, DC over voltage, Output under voltage / over voltage.
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GENERAL

Bypass Facility	Manual / Satic Bypass Switch*	
Audible Noise	Less Than 50 dB at 1 meter	
Design ambient	0-50° C	
Relative Humidity	Max. 95 % Non Condensing	
Enclosure	M.S. Powder coated with castor wheels.	
Dimensions in mm (LxWxH)	600x280x550	650x330x600

NOTE: Specifications subject to change due to continuous improvements in the product.