

RENUTRON POWER SOLUTIONS (I) PVT. LTD.

TECHNICAL SPECIFICATIONS - HOME / OFF LINE UPS 10 KVA - 50 KVA (3 ph- 1 ph)

Model	HU-10, HU-15	HU-20	HU-25, HU-30, HU-40, HU-50
Capacity	10 KVA /8 KW 15 KVA /12 KW	20 KVA /16 KW	25 KVA /20 KW, 30 KVA /24 KW 40 KVA /32 KW, 50 KVA /40 KW

AC INPUT

Input voltage	415 VAC \pm 20 %
Input Frequency	50 Hz +/- 6 %

DC CHARGER

Battery Voltage	240V / 360V	360V
Rectifier	ATM Technique (Float cum Boost), CVLC	

AC OUTPUT

Technology	IGBT Based PWM Inverter using Micro Controller
Output voltage	230 VAC +/- 1 %
Output Frequency	50 Hz +/-0.5 %
Output Power factor	0.8 to 1 lag
Output waveform	PWM Sine wave
Harmonic Distortion	Less than 3 % on Linear Load
Transient Recovery	\pm 4 % from 0 to Full load and corrected within 60 msec.
Inverter Efficiency	90 % - 93 % Depending on DC voltages

INDICATIONS & ALARMS

Indications	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

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, I/p Single Phasing / Phase Reversal
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PROTECTIONS

Protections	Output Overload, Output short circuit, Battery low trip, DC over voltage, Output under voltage / over voltage, I/p Single Phasing / Phase Reversal, I/p under voltage / over voltage
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GENERAL

Change Over	Electro mechanical / Static Switch Optional	
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)	770x420x750	980x500x850

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