

## Technical Specifications

### Online Triple Conversion UPS 1000VA / 24V with External Battery

Parameters		Specified Value (Acceptable Limit)
Specified Load		1000VA (700 W)
Input Mains	Voltage Window for PFC cut	165 VAC-285 VAC $\pm$ 10VAC
	Voltage Window for PFC recovery	175 VAC-275 VAC $\pm$ 10VAC
	Voltage window for charger cut	155 VAC-285 VAC $\pm$ 10VAC
	Voltage window for charger recovery	165 VAC-275 VAC $\pm$ 10VAC
	Frequency	45 Hz - 55 Hz
Output Mains or Backup Mode	Voltage Window	230 VAC $\pm$ 1%
	Wave Form	Sine Wave
	Frequency	50Hz $\pm$ 0.1Hz
Transfer Time		Zero Transfer time
THD	Under Linear Load	< 4.0 %
	Under Non Linear Load	< 7.0%
Efficiency	AC-AC	>90%
Efficiency	DC-AC	>83%
Input Power Factor	During entire mains input range	0.84-0.98 depending on load and battery charge status
Crest Factor		> 3:1
Battery	Type / Voltage	Lead-acid/SMF, 24V (2X12V), 65AH - 100AH
	Charging Current	7.0A $\pm$ 1.0A (Default Set)*
	Battery Low Warning	21.7V $\pm$ 0.4V
	Battery Low Cut	21.0V $\pm$ 0.4V
	Battery Boost Voltage	27.6V $\pm$ 0.4V

\* Charging Current can be adjusted from 0.7A to 8A by using potentiometer (POT 2) on charger PCB card as per connected battery capacity from 7Ah to 100Ah

<b>Protection</b>	Overload	101-110%(system will shutdown after apporx 5 min.) 110-125%(system will shutdown after apporx 3 min.) 125-150%(system will shutdown after apporx 1 min.)
	Short Circuit	Short Circuit protection provided
	Output voltage at 100% load through on/off	+2% / -3%
	Battery deep discharge, Overcharge protection	Yes provided
	<b>Cold Start</b>	
<b>Comm. Port</b>		Yes
<b>LED Bar LED / Alarm</b>	<b>Load Bar</b>	<b>Battery Bar</b>
	<ul style="list-style-type: none"> <li>○ Overload (Red)</li> <li>○ 100% (Green)</li> <li>○ 75% (Green)</li> <li>○ 50% (Green)</li> <li>○ 25% (Green)</li> </ul>	<ul style="list-style-type: none"> <li>○ 100% (Green)</li> <li>○ 80% (Green)</li> <li>○ 50% (Green)</li> <li>○ 30% (Green)</li> <li>○ Low (Red)</li> </ul>
	<b>Load</b>	<b>(+ -) Battery</b>
	<b>LED</b>	<b>Alarm</b>
<b>System on Utility Power</b>	Green lighting	No beep
<b>Back-up mode</b>	Red	No beep
<b>Low battery</b>	Only red LED of battery bar will glow	B----B--B— Continuous beep on shutdown
<b>Overload</b>	Red LED will glow with 25%-100% load bar green LED's	B----B--B—(depends on % load) Continuous beep on shutdown
<b>Short Circuit</b>	Red LED(O.L.)	Continuous beep
<b>Mechanical Dimensions</b>	180(W)X512(D)X280(H)	
<b>Weight</b>	9.84Kgs.	

**Note:** Specifications subject to change without prior notice.