

## TECHNICAL SPECIFICATION

Model	TT1K	TT2K	TT3K	TT5K	TT6K	TT7.5K	TT10K
Rating	1KVA	2KVA	3KVA	5KVA	6KVA	7.5KVA	10KVA
Technology	TRUE ON LINE (Double Conversion, Microprocessor Controlled Design)						
Inverter	20 KHz Pulse Width Modulation using IGBTs						
<b>INPUT</b>							
Voltage	Single Phase input 160-270 V						
Frequency	50 Hz $\pm$ 6%						
Supply	From Electrical Mains/DG set supply (Generator Compatible)						
<b>DC BUS</b>							
DC volt	108 V to 204VDC			168VDC to 204VDC			
Charger Type	CVCC type						
<b>OUTPUT</b>							
Voltage	Single phase , 220V / 230V/240V adjustable						
Voltage regulation	$\pm$ 1%						
Frequency regulation	50 Hz $\pm$ 0.2% in free running mode						
Waveform	Pure Sinewave						
Load power factor	0.7 lagging / 0.8 lagging						
Harmonic inverter	<3% (from no load to full load on linear load)						
Efficiency	>88% ( On full rated load)						
Crest Factor Ratio	3:1						
Galvanic isolation	Provided through in-built, double- wound transformer						
Cold start	Provided						
<b>PROTECTION</b>							
Over Load	110% for 1 min; 125% for 30 secs						
Short circuit	Current sensing limit which trips the UPS.						
DC Under/Over	Protection from deep discharge of the batteries & over charging						
<b>VISUAL INDICATORS WITH AUDIBLE ALARM</b>							
Visual Indication - LED	AC Mains On, Load on bypass, Inverter ON, Load ON load on Batteries , Battery level						
Audible Alarm	Over Load Mains Fail (Battery low / Over temperature/ Short circuit)						
LCD Display	Input voltage, Output voltage, Output Load, Output frequency, DC Voltage						
<b>PHYSICAL CHARACTERISTICS</b>							
Audible Noise	<55 dB at 1 mtr distance						
Temperature Range	0°C to 45°C						
Relative Humidity	10-95% RH non-condensing						
<b>Communication Port with Software Interface</b>							
RS 232 com port (SNMP Adaptor optional)							

\* Products upgrading is a continuous process, hence data in this Product Catalogue is subject to change without prior notice.

\* These specifications are for a Standard Product. Customized specifications can be offered against specific requirements.