

TECHNICAL SPECIFICATION						
Model	3TT7K	3TT10K	3TT15K	3TT20K	3TT25K	3TT30K
Rating	7.5KVA	10KVA	15KVA	20KVA	25KVA	30KVA
Technology	TRUE ON LINE (Double Conversion, Microprocessor Controlled Design)					
Inverter	20 KHz Pulse Width Modulation using IGBTs					
INPUT						
Voltage range	Three Phase input 340-460 V					
Frequency range	50 Hz \pm 6%					
Supply	From Electrical Mains/DG set supply (Generator Compatible)					
DC BUS						
DC volt	240VDC /300VDC/360VDC					
OUTPUT						
Voltage	Single phase , 220V / 230V/240V adjustable					
Voltage regulation	\pm 1%					
Frequency regulation	50 Hz \pm 0.2% in free running mode (ii) 50HZ +5% for synchronous mode					
Waveform	Pure Sinewave					
Load power factor	0.7 lagging / 0.8 lagging					
Total Harmonic Distortion	<3% (from no load to full load on linear load)					
Inverter Efficiency	>88% (On full rated load)					
Galvanic isolation	Provided through in-built, double- wound transformer					
Cold start	Provided					
Static By-Pass	Provided (Optional)					
PROTECTION						
Over Load	110% for 1 min; 125% for 30 secs					
Short circuit	Current sensing limit which trips the UPS.					
Input Over / Under Voltage	Protection Provided					
DC under/Over Voltage	Protection from deep discharge of the batteries & over charging					
Output U/O voltage protection	Provided					
VISUAL INDICATORS WITH AUDIBLE ALARM						
Visual Indication - LED	AC Mains On, Load on bypass, Inverter ON, Load level					
	load on Batteries , Battery level bar graph (On select models)					
Audible Alarm	AC Mains High / Low, Over Load					
	Fault (Battery low / Over temperature/ Overload / Short circuit / Inverter under / over voltage					
LCD Display	Input voltage / Output voltage, Output Current, Output frequency, DC Voltage, DC current (Charging only)					
PHYSICAL CHARACTERISTICS						
Audible Noise	<55 dB at 1 mtr distance					
Temperature Range	0°C to 45°C					
Relative Humidity	10-95% RH non-condensing					
Communication Port with Software Interface						
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.