

TECHNICAL SPECIFICATION					
Model	3TT10K	3TT20K	3TT25K	3TT30K	3TT40K
Rating	10KVA	20KVA	25KVA	30KVA	40KVA
Technology	TRUE ON LINE Double Conversion, Controller based IGBT technology				
INPUT					
Nominal Voltage	400V AC (3PH +N), $\pm 15\%$				
Nominal Freq	50 Hz $\pm 6\%$				
Supply	From Electrical Mains/DG set supply (Generator Compatible)				
DC BUS					
DC volt	240VDC /300VDC/360VDC				
OUTPUT					
Power factor	0.7 lagging				
Voltage	400V ($\pm 1\%$), three Phase				
Frequency	50 Hz ± 0.1 Hz in free running				
Waveform	Pure Sinewave				
Total Harmonic Distortion	$\leq 3\%$ at linear load				
	$\leq 6\%$ at non linear load				
Inverter Efficiency	$\geq 90\%$				
Isolation transformer	In-built inverter isolation Tx				
Cold start	Provided				
PROTECTION					
Over Load	110% for 1 min				
Short circuit	Electronics S/C protection				
Input Over / Under Voltage	Protection Provided				
DC Under/Over Voltage	Protection from deep discharge of the batteries & over charging				
Output O/V voltage protection	Provided				
VISUAL INDICATORS WITH AUDIBLE ALARM					
Visual Indication - LED	Input, Inverter, Battery output load on Batteries , Battery level bar graph (On select models)				
Audible Alarm	Input Abnormal, Load on batt, DC under voltage, Battery low pre alarm Over temperature/ Overload / Short circuit				
LCD Display	Input voltage / Output voltage, Battery voltage, frequency, Load Level, System Status				
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.