PRODUCT SPECIFICATIONS

MODEL NAME	1075VA	1250VA	1500VA	2050VA	2525VA	3050VA
Mains AC low cut UPS mode	175VAC ± 10VAC					
Mains AC low cut recovery UPS mode	185VAC ± 10VAC					
Mains AC high cut UPS mode	265VAC ± 10VAC					
Mains AC high cut recovery UPS mode	255VAC ± 10VAC					
Mains AC low cut WUPS mode	90VAC ± 10VAC					
Mains AC low cut recovery WUPS mode	110VAC ± 10VAC					
Mains AC high cut WUPS mode	295VAC ± 10VAC					
Mains AC high cut recovery WUPS mode	285VAC ± 10VAC					
Input Frequency Range	40Hz to 60Hz					
Voltage Output in Mains Mode	Same as input					
Frequency Output in Mains Mode	Same as input					
BATTERY						
Battery Type	LA / Tubular / SMF					
DC input voltage	12V			24V		
Battery Quantity 12V 100Ah to 220Ah	1			2		
Bulk absorption Voltage	14.8V			29.6V±0.2V		
Float charging voltage	13.7V±0.2V			27.4V±0.2V		
Boost charging voltage for LA Battery	14.0V±0.2V			28.0V±0.3V		
Boost charging voltage for Tubular and SMF Battery	14.5V±0.2V			28.8V±0.3V		
Battery deep Discharge Recovery	Yes (Independent Charger to Recover Deep Discharge Battery)					
Charging Current 100Ah-135Ah Setting (Input range 135VAC to 295VAC)	12A ± 2A					
Charging Current 150Ah-220Ah Setting (Input range 135VAC to 295VAC)	15A ± 2A					
BACKUP MODE						
Output voltage	220VAC ± 10%					
Output frequency	50Hz ± 0.2 Hz					
Output waveform	Pure Sine Wave ≤ 5% THD					
No Load current	<1.8A					
Discharging current @ full load	50A ± 2A	60A ± 2A	70A ± 2A	60A ± 2A	70A ± 3A	90A ± 3A
Low Battery Warning	10.8V±0.2V			21.6V±0.2V		
Low Battery Cut	10.4V±0.2V			20.8V±0.2V		
Change over time UPS mode	< 10msec					
Change over time WUPS mode	< 25msec					
PROTECTIONS						
Overload in backup mode	Yes provided, system will give indication at 101% load					
Short Circuit in Backup Mode	System will shutdown after 3 - retries in case of output short circuit					
Short Circuit in Mains Mode	Mains MCB will trip					
Back feed	System will shutdown in case of back feed and there is no retry					
Over temperature	Yes provided, if heat sink temperature goes above 100℃ System will shut down					
Reverse Battery	DC fuse will blown					
ALARMS						
Buzzer	Audible beep for Overload, Short Circuit, Back feed, Low Battery, Over Temperature, Mains Fuseblown / MCB Trip					
ENVIRONMENT						
Operating Temperature	0°C to 50°C					
Storage Temperature	0°C to 50°C					
Operating Relative Humidity	90% Non-Condensing					
WEIGHT AND DIMENSIONS						
Dimensions in mm (LxWxH)	355x355x195			410x390x235		425x315x335
Weight (Kg)	8.8	9.8	10.3	16	17.8	20.5