

PRODUCT SPECIFICATIONS

MODEL NAME	1050VA	2000VA	3500VA	5500VA	5500VA	7500VA	10000VA
MAINS MODE							
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	48V		96V	96V	120V
Battery Quantity 12V 100Ah to 220Ah	1	2	4		8	8	10
Bulk absorption Voltage	14.8V	29.6V±0.2V	59.2V±0.4V	59.2V±0.4V	118V±0.4V	118V±0.4V	148V±0.4V
Float charging voltage	13.7V±0.2V	27.4V±0.2V	54.8V±0.4V	54.8V±0.4V	109.6V±0.4V	109.6V±0.4V	137V±0.4V
Boost charging voltage for LA Battery	14.0V±0.2V	28.0V±0.3V	56.0V±0.4V	56.0V±0.4V	112V±0.5V	112V±0.5V	140V±0.5V
Boost charging voltage for Tubular and SMF Battery	14.5V±0.2V	28.8V±0.3V	57.8V±0.4V	57.8V±0.4V	116V±0.5V	116V±0.5V	145V±0.5V
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		90A ± 2A	45A ± 2A	66A ± 2A	66A ± 2A
Low Battery Warning	10.8V±0.2V	21.6V±0.2V	43.2V±0.4V	43.2V±0.4V	86.4V±0.4V	86.4V±0.4V	108V±0.4V
Low Battery Cut	10.4V±0.2V	20.8V±0.2V	41.6V±0.4V	41.6V±0.4V	83.2V±0.4V	83.2V±0.4V	104V±0.4V
Change over time UPS mode	< 10msec				< 4msec		
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°C 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	425x315x385	425x315x385	518x415x515		575x415x640	
Weight (Kg)	9.35	18.5	24.5	45	50	72	75