

PRODUCT SPECIFICATIONS

MODEL NAME	400VA	2050VA
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
Float charging voltage	13.7V±0.2V	27.4V±0.2V
Bulk absorption Voltage	14.8V±0.2V	29.6±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 at Grid priority/Battery priority	12A ± 2A	15A ± 3A
BACKUP MODE		
Output voltage	220VAC±10%	
Output frequency	50Hz ± 0.2 Hz	
Output waveform	Pure Sine Wave ≤ 5% THD	
No Load current	<1.5A	<1.8A
Discharging current @ full load	28A ±2A	60A ± 2A
Low Battery Warning	10.8±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 Fuse will blown	
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	
Phase to Phase protection in mains mode	Yes provided by electronic	
SOLAR CHARGE CONTROLLER		
Solar Charge Controller type	PWM type	
Max Panel wattage can be connected	600W	1500W
Max PV current	25A	50A
Reverse PV protection	Yes provided	
Reverse current flow to PV	Yes provided	
Sharing of current when PV and Grid Both are available	If PV power is not sufficient enough to charge the battery, system will start sharing battery charging from PV and grid.	
Option for Grid and Battery priority	Yes, provided, user can set priority for Battery or Grid. Hence user can set system in electricity bill saving.	
ALARMS		
Buzzer	Audible beep for Overload, Short Circuit, Back feed, Low Battery, OverTemperature, Mains Fuse blown / MCB Trip	
WEIGHT AND DIMENSIONS		
Dimensions in mm (LxWxH)	301×297×160	403x392x227
Weight (Kg)	6.4	16.5