

PRODUCT SPECIFICATIONS

MODEL NAME	300VA	500VA	700VA	900VA	1100VA	1700VA	2000VA	2500VA	3500VA	5000VA	5000VA	6000VA	7500VA	10000VA	
MAINS MODE															
Mains AC Input range (UPS mode)	175VAC-265VAC ± 10 V														
Mains AC low cut recovery UPS mode	185VAC ± 10VAC														
Mains AC high cut recovery UPS mode	255VAC ± 10VAC														
Mains AC Input range (WUPS mode)	90VAC-285VAC ± 10V														
Mains AC low cut recovery WUPS mode	110VAC ± 10VAC														
Mains AC high cut recovery WUPS mode	285VAC ± 10VAC														
Input Frequency Range	48Hz to 52Hz														
Battery															
DC input voltage	12V					24V		36V	48V	48V	96V	72V	96V	120V	
Battery deep Discharge Recovery	Yes (Independent Charger to Recover Deep Discharged Battery)														
Charging Current 100Ah-135Ah Settting (I/P range 135VAC to 295VAC)	6.5A ± 1A (50-80Ah Battery)		12A ± 1A												
Charging Current 150Ah-220Ah Setting (I/P range 135VAC to 295VAC)	10A ± 1A (100-135Ah Battery)		15A ± 1A												
Backup Mode															
Output voltage / Frequency	220VAC +5% -10% (until battery low alarm) / 50Hz ± 0.2 Hz														
Output waveform	Pure Sine Wave														
Low Battery Cut	10.4V ± 0.2V					21.6V ± 0.2V		32.4V ± 0.4V		43.2V ± 0.4V		86.4V ± 0.4V	64.8V ± 0.4V	86.4V ± 0.4V	108V ± 0.4V
Change over time UPS /WUPS mode	< 10msec / < 25msec														
Protections															
Overload /Short Ckt./Backfeed in backup mode	Available														
Over tempature/ Reverse Battery	Available														
Phase to Phase protection in mains mode	Yes provided by electronic														
Solar Charge Controller															
Solar Charge Controller type	PWM type														
Maxi Panel wattage can be connected	600W					1500W		3000W			6500W	4500W	6500W	6500W	
Maxi PV current	25A					50A									
Reverse PV protection /current flow to PV	Available														
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	Available, Customer friendly settings														
Display and Alarms															
LCD Status Display	Mains ON, Input -Voltage/Frequency, Battery -Voltage/Charging/Charged, Charging Current, PV Voltage/current Backup Mode, UPS- ON/OFF, Load %, Output -Voltage/ Frequency and all protections etc.,														
Weight and Dimensions															
Dimensions in mm	301x297x160		270x190x125			340x230x260		350x230x310		530x360x585			550x410x650		
Weight	6.5Kg	7Kg	8.5kg	9.35kg	9.5kg	15.9kg	18.3kg	21.4kg	26.3kg	41kg	43kg	51kg	73kg	78kg	

LOAD CHART*

S. No	Model	Load on Solar	Solar Panel Capacity
1.	300VA/12V	1 LED TV 32" + 2 CFL 15W + 1 Fan	Upto 500 W
2.	500VA/12V	2 Fan + 2 CFL + 2 LED Bulb + 1 LED TV 32"	Upto 500 W
3.	700/12V	2 Fan + 4 CFL + 1 TV	Upto 500 W
4.	900VA/12V	4 Fan + 8 CFL + 1 TV or 2 Fan + 4 CFL + 1 Refrigerator	Upto 600 W
5.	1100/12V	5 Fan + 10 CFL + 1 TV or 3 Fan + 6 CFL + 1 Refrigerator + 1 TV	Upto 600 W
6.	1700VA/24V	4 Fan + 8 CFL + 1 TV or Water Pump 1 HP or 2 Fan + 4 CFL + 1 Refrigerator	Upto 1500 W
7.	2000/24V	12 Fan + 10 CFL + 1 TV or Water Pump 1 HP + 3 Fan + 6 CFL + 1 Refrigerator + 1 TV	Upto 1500 W
8.	2500/24V	14 Fan + 15 CFL + 1 TV or Submersible Pump 1 HP + 4 Fan + 5 CFL or 3 Fan + 6 CFL + 1 TV	Upto 1800 W
9.	3500/48V	10 Fan + 20 CFL + 1 TV or Submersible Pump 1 HP + 6 Fan + 10 CFL or 5 Fan + 8 CFL + 1 TV or 1 Petrol Pump Nosel	Upto 3000 W
10.	5250/48V	25 Fan + 25 CFL + 1 TV or Submersible Pump 2 HP + 6 Fan + 15 CFL or 8 Fan + 8 CFL + 1 AC 1 Ton + 1 TV or 2 Petrol Pump Nosel + 6 CFL	Upto 3000 W
11.	5250/96V	25 Fan + 25 CFL + 1 TV or Submersible Pump 2 HP + 6 Fan + 15 CFL or 8 Fan + 8 CFL + 1 AC 1 Ton + 1 TV or 2 Petrol Pump Nosel + 6 CFL	Upto 6500 W
12.	6000/72V	25 Fan + 25 CFL + 1 TV or Submersible Pump 2 HP + 6 Fan + 15 CFL or 8 Fan + 8 CFL + 1 AC 1.5 Ton + 1 TV or 2 Petrol Pump Nosel + 6 CFL	Upto 4500 W
13.	7500/96V	5 Fan + 10 CFL + 10 LED Bulb 7W + 2 Room Cooler + 3 TV 32" + 2 AC 1.5 Ton	Upto 6500 W
14.	10000/120V	35 Fan + 36 CFL + 3 TV or Submersible Pump 2 HP + 10 Fan + 25 CFL or 10 Fan + 10 CFL + 2 AC 1.5 Ton + 1 TV or 4 Petrol Pump Nosel + 10 CFL	Upto 8000 W

*Conditions apply