

24V STATIC INVERTER

(1500VA - 2000VA)



UPS

INVERTERS

ACCESSORIES

AVR

BATTERIES

SOLAR SOLUTION



24V/1500VA

24V/2000VA



Adjustable charging current



Stable output voltage & frequency



Fast transfer less than 10 ms transfer time

BENEFITS

- Advance i-DSP technology delivers a pure sine wave output suitable for electrical and electronic loads
- 100% copper design for long life and it delivers 15A charging current for quick charging of battery
- Clear LCD display displays working functions and fault alarms of UPS
- Charging technique 5 stage charging method for superior performance of battery
- Automatic Battery charge level management provides power
- Wide operation voltage range, charges battery at low voltage, increased battery life
- Suitable for electrical and electronic loads in home and offices

APPLICATION



Washing machine



Refrigerator



Servers

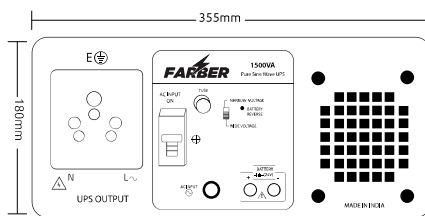


Micro-oven

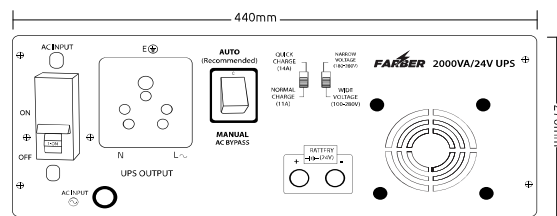


Air conditioners

SCHEMATIC



(1500VA)



(2000VA)

FEATURES



Pure sine wave output



Technology increases battery lifetime



Technology protects against low battery



Technology protects against short circuit



SPECIFICATION

MODEL NUMBER	FA-INV-24V-1500VA	FA-INV-24V-2000VA
Capacity	1500VA/1320W	2000VA/1430W
NARROW MODE		
Mains undervoltage cutoff /recovery	180 V / 190 V	
Mains overvoltage cutoff /recovery	265 V / 255 V	
Battery charging voltage	180 VAC to 265 VAC	
Changeover time	≤ 15 milliseconds	
Output voltage (no load)	230 V	
WIDE MODE		
Mains undervoltage cutoff /recovery	100 V / 110 V	
Mains overvoltage cutoff /recovery	295 V / 285 V	
Battery charging voltage	100 VAC to 295 VAC	
Changeover time	≤ 50 milliseconds	
Output voltage (no load)	230 V	
BATTERY		
Quick charge current	15A	
Normal charge current	12A	
Boost charge voltage	14.5V/Batt	
Float charge voltage	13.8V/Batt	
Low battery cutoff point	10.4V/Batt	
Number of batteries	2 *12VDC	
Recommended battery	65 AH to 200 AH	
Charge method	Constant current ,followed by constant voltage	
Output waveform	Pure sine wave	
Output frequency (UPS mode)	50 HZ	
Efficiency	≥80%	
Operation temperature	0 to 45°C	
LED indicators	Mains,charging,UPS,low battery, overload	
Audible alarm	Low battery,overload,short circuit	
PROTECTIONS		
Overload	105% load on UPS (auto reset within 5 re-tries)	
overcharge	Control battery voltage and current through software	
Short circuit	MCB Tripe in Main mode and UPS gets shut down in Back-up mode	
Thermal	UPS get shut down when temperature reaches to 95C at inside UPS	
Battery reverse polarity	DC fuse on PMB will fail when battery terminals connected wrongly	
Battery deep discharge	UPS will shut down when battery voltage reaches to 10.4V (per battery)	
PACKING INFORMATION		
Net weight	16.5 kg	18.4 kg
Gross weight	17.2 kg	19 kg
Dimensions	38 x 35.5 x 18.0 cm	58.0 x 44.0 x 27.0 cm

UPS

INVERTERS

ACCESSORIES

AVR

BATTERIES

SOLAR SOLUTION



Technology for instant change-over between power and battery and vice-versa



Quick charge / normal charge options



Technology protects against overload



Technology protects against reverse polarity