

12V STATIC INVERTER

(750VA - 1500VA)



UPS

INVERTERS

ACCESSORIES

AVR

BATTERIES

SOLAR SOLUTION



12V/750VA

12V/850VA



12V/1100VA

12V/1500VA



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
- More back-up time achieved through intelligent smart design of transformer using primary copper
- 100% copper design for long life and it delivers 15A charging current for quick charging of battery
- Charging technique for superior performance of battery
- Intelligent program reduces grid power consumption for recharging of battery
- Enhanced output voltage for battery performance of TV, Lights, Fans, Computer, etc
- Wide operation voltage range, charges battery at low voltage, increased battery life

APPLICATION



Control center



Music system

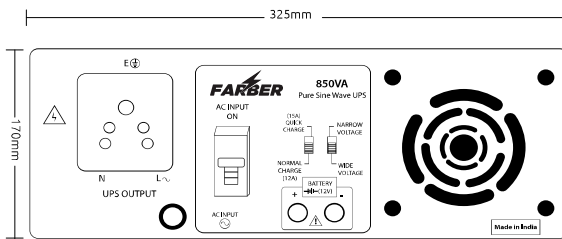


Air cooler

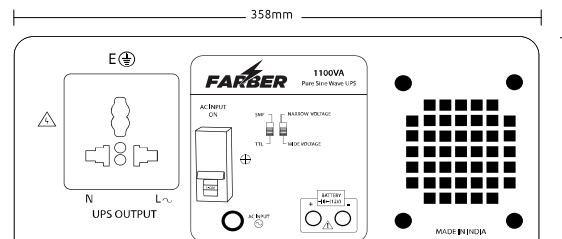


CCTV system

SCHEMATIC



(850VA)



(1100VA)

FEATURES



Pure sine wave output



Technology increases battery lifetime



Technology protects against low battery



Technology protects against short circuit



SPECIFICATION

MODEL NUMBER	FA-INV-12V-750VA	FA-INV-12V-850VA	FA-INV-12V-1100VA	FA-INV-12V-1500VA
Capacity	750VA/490W	850VA/620W	1100VA/730W	1500VA/1000W
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	≤ 10 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	≤ 20 milliseconds			
Output voltage (no load)	230 V			
BATTERY				
Quick charge current	14A			
Normal charge current	10A			
Boost charge voltage	14.5V			
Float charge voltage	13.8V			
Low battery cutoff point	10.4V			
Number of batteries	1 *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 95 C 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	8.4kg	9 kg	12.8 kg	16.5 kg
Gross weight	9 kg	9.8 kg	12.9 kg	17.2 kg
Dimensions	32.5 x 32.5 x 17.0 cm	32.5 x 32.5 x 17.0 cm	38.0 x 35.8 x 18.0 cm	38.0 x 35.5 x 18.0 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