

48V - 120V - 180V STATIC INVERTER

(2.5KVA - 10KVA)



UPS

INVERTERS

ACCESSORIES

AVR

BATTERIES

SOLAR SOLUTION



Can support machines with high starting current



Stable output voltage & frequency



Fast transfer less than 10 ms transfer time

BENEFITS

- Pure Sine Wave Output Suitable for Electrical and Electronics gadgets
- 100% Copper Transformer design for long life and it delivers high charging current for quick charging of battery
- LCD display for better user interface
- Multi Stage Charging technique for superior performance of battery
- High Charging current of 15A for faster recharging of battery
- Wide Operating Voltage range, charges battery even at low voltage, increases battery life
- Enhanced Output Voltage for better performance of loads
- Less Change-over time suitable to use computer, IT Peripherals etc..

APPLICATION



Communication center



Dishwasher



Air conditioners



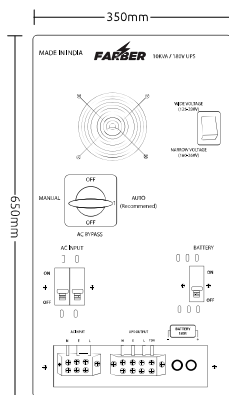
House Backup



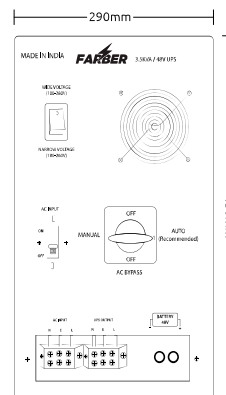
Control center

SCHEMATIC

(10KVA)



(3.5KVA)



FEATURES



Pure sine wave output



Technology increases battery lifetime



Technology protects against low battery



Technology protects against short circuit



SPECIFICATION

MODEL NUMBER	FA-INV-48V-2500VA	FA-INV-48V-3500VA	FA-INV-48V-5000VA	FA-INV-120V-7500VA	FA-INV-180V-10KVA
Capacity	2500VA/2200W	3500VA/2860W	5000VA/4400W	7500VA/6600W	10KVA/8.8KW
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)				220 V	
WIDE MODE					
Mains undervoltage cutoff /recovery				125 V / 135 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)				220 V	
BATTERY					
Quick charge current				15A	
Normal charge current				15A	
Boost charge voltage				14.5V/Batt	
Float charge voltage				13.6V/Batt	
Low battery cutoff point				10.4V/Batt	
input voltage	48V		120V		180V
Number of batteries	4 *12VDC		10 *12VDC		15 *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 50°C	
LCD indicators				Mains,charging,UPS,low battery, overload,Short circuit	
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				Shut down (UPS mode),MCB trip (AC mode)	
Thermal				shut down at 93°C	
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	29 kg	32 kg	54KG	78KG	89KG
Dimensions	31.0 x 29.0 x 45.0 cm			55.0 x 35.0 x 65.0 cm	

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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