

3PH STATIC INVERTER

(15KVA - 75KVA)



UPS

INVERTERS

ACCESSORIES

AVR

BATTERIES

SOLAR SOLUTION



Can support machines with high starting current



Stable output voltage & frequency



Phase sequence & phase failure protection

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
- Wide Operating Voltage range, charges battery even at low voltage, increases battery life
- Enhanced Output Voltage for better performance of loads

APPLICATION



Communication center



House Backup



Factories

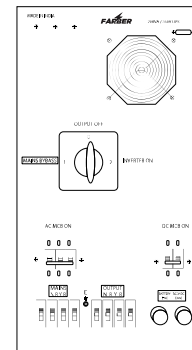
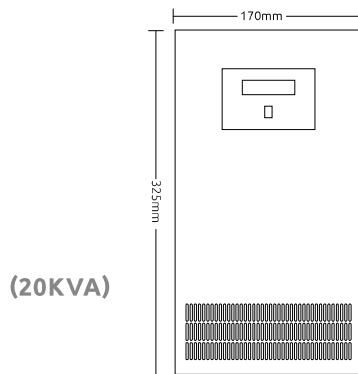


Agricultural fields



Oil and gas fields

SCHEMATIC



FEATURES



Pure sine wave output



Technology increases battery lifetime



Technology protects against low battery



Technology protects against short circuit



Technology protects loose connection



SPECIFICATION

MODEL NUMBER	FA-INV-240V-15KVA-3PH	FA-INV-360V-20KVA-3PH	FA-INV-360V-30KVA-3PH	FA-INV-360V-40KVA-3PH	FA-INV-360V-75KVA-3PH
Capacity	15KVA	20KVA	30KVA	40KVA	75KVA
INPUT					
Nominal Voltage	3 x 380VAC (3Ph + G or 3Ph + N + G)				
Mains Input Voltage Range	277VAC ~ 502VAC				
Mains Input Frequency Range	180 VAC to 265 VAC				
OUTPUT					
Nominal Voltage	230V (P-N), 400V (P-P)				
Frequency	50HZ (±0.5Hz)				
Crest Factor	>3:1				
Waveform	Pure sine wave				
Total Harmonic Distortion (THDv)	<3% (Linear Load), <5% (Non-linear Load)				
Connection Type	Hardwire 4-wire (3 Ph+N)				
BATTERY					
Charge current	15A		25A		
Boost charge voltage	14.5V				
Float charge voltage	13.8V				
Low battery cutoff point	10.4V				
Number of batteries	20 *12VDC		30 *12VDC		
Recommended battery	65 AH to 200 AH				
Charge method	Constant current ,followed by constant voltage				
Output frequency (UPS mode)	50 HZ				
Efficiency	≥80%				
Operation temperature	0 to 45°C				
LCD 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	10 kg	12.8 kg	16.5 kg
Dimensions (cm)	32.5 x 32.5 x 17.0	32.5 x 32.5 x 17.0	32.5 x 32.5 x 17.0	38.0 x 35.8 x 10.0	38.0 x 35.5 x 18.0

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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