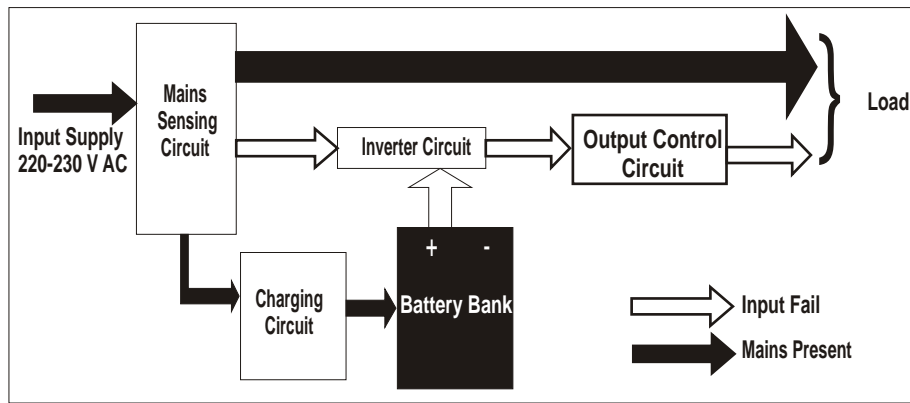


## FUNCTIONAL BLOCK DIAGRAM



### Salient Features

- **COMPACT & ELEGANT DESIGN**
- **PWM MOSFET BASED TECHNOLOGY**
- **BATTERY OVERCHARGING & DEEP-DISCHARGE PROTECTION**
- **ENVIRONMENT FRIENDLY INTELLIGENT OVERLOAD & SHORT CIRCUIT PROTECTION**
- **FULLY AUTOMATIC**
- **SERVICE MANUAL AVAILABLE**

### Technical Specifications

MODELS	500VA	800VA	1000 VA	1250 VA	1500 VA	2000 VA
WATTAGE POWER	400 W	640 W	800 W	1000 W	1200 W	1600 W
INPUT RANGE & FREQ.	160-260 VAC, 50Hz					
OUTPUT RANGE & FREQ.	230± 10% VAC, 50Hz±3%					
OUTPUT WAVEFORM	SQUARE WAVE/ SINE WAVE					
SYSTEM DC VOLTAGE	12 V	24 V	24 V	24 V	24 V	36/48V
DESIGN TECHNOLOGY	PWM MOSFET / IGBT BASED					
NO LOAD CURRENT	Less than 2 Amps.					
SWITCHING TIME	Less than 10 m secs /15 m secs					
POWER FACTOR	0.8 Lag to Unity					
CHARGING SYSTEM	CC/CV, Boost & Trickle Charging					
CHARGING CURRENT	Depends on battery AH capacity attached					
BATTERY CHARGING TIME	8-9 Hrs.					
DISPLAY	Mains, Charging, Inverter On, Low Battery, Overload & Load-Battery Bar Graph					
PROTECTIONS	Short Circuit, Low Battery, Overload, Deep Discharge, Over-UnderVoltage, Overcharging, Reverse Polarity, Surge Protection					
EFFICIENCY	Better than 85%					
COOLING	Natural					
MFG STANDARD	QMS ISO 9001:2000					
DESIGN STANDARD	Conforming to IS:13314:1992 and NR Specs. 102/Elect/PS/Rev-1/2006					
RELATIVE HUMIDITY	0-95% Non condensing					
OPERATING ALTITUDE	Up to 2000 m					
AUDIBLE NOISE	Less than 35 dB					
AMBIENT TEMPERATURE	0 to 50° C					
DIMENSIONS (DxWxH)	13/6.5/8	15/7.75/8.51	15/7.75/8.5	15/7.75/8.5	16/8/9.25	16/8/9.2
WEIGHT (in Kgs. Approx)	10	14	14.25	15	15.5	18

*Due to continuous R & D, the above specifications are subject to change without prior notice.*



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#### Dealer

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