

## DSP SINEWAVE STATIC UPS / INVERTER AVAILABLE FROM 2.0 KVA TO 10 KVA



**IDEAL FOR  
AIRCONDITIONER  
& PETROL PUMP MACHINE\***

### APPLICATIONS



- ☒ DSP based Technology state of Art Design
- ☒ Pure sine wave output with constant voltage & frequency
- ☒ Runs heavy duty appliances / equipments
- ☒ Running successfully for even bank critical applications
- ☒ Auto self test on LCD
- ☒ Scalable Runtime
- ☒ Cold start
- ☒ Fuzzy Logic Control Battery Charging
- ☒ Total Harmonic Distortion <3%
- ☒ Self diagnostic and corrective technology
- ☒ Long back up hours and enhanced battery life
- ☒ Absolutely maintenance and trouble free operations
- ☒ Short Circuit Protection
- ☒ Over Load Protection
- ☒ High/Low voltage protection

## TECHNICAL SPECIFICATIONS

Technology	DSP Based PWM Technology				
Rating	2.5 KVA	3.5 KVA	5 KVA	7.5 KVA	10 KVA

Switching Device	MOSFET	IGBT
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### INPUT PARAMETERS

Input Supply	1 Phase, 3 Wire			
Input Voltage (Normal)	100V-260V $\pm$ 5V	125V - 260V $\pm$ 5V		
Input Voltage (UPS)	180V -260V $\pm$ 5V			
Frequency Range	45 Hz - 55 Hz			

### OUTPUT PARAMETERS

Output Voltage Regulation	230 $\pm$ 5V
Output Frequency Regulation	50 Hz $\pm$ 0.1 Hz
Output Waveform	Pure Sine Wave
THD	< 3%
Output Power Factor	0.8
Crest Factor	3:1

### BATTERY PARAMETERS

Battery Capacity	100 AH - 200 AH				
Battery Voltage	48V	48V	48V/96V/120V	120V	180V
Battery Charging Current	10 A $\pm$ 1A				
Low Battery Indication	10.5V $\pm$ 0.2 V DC Per Battery				

### ENVIRONMENTAL PARAMETERS

Operating Temperature	0 - 45 C
Storage Temperature	0 - 50 C
Humidity	0 - 95% Non-Condensing
Protection Class	IP 21

### OTHERS

Protection	Mains MCB (Trip, Short Circuit, Over Temperature, Over Load, Battery Low, Battery Over Charge)
Indications & Alarms	LCD DISPLAY (Capacity, Input Voltage, Output Voltage, Input Frequency, Output Frequency, Battery Voltage, Battery Charging, Load Percent, all Protections)
Acoustic Noise at 1 mtr	< 45 dB