

## SAKTHI HYBRID Pure Sine Wave UPS HOME UPS



### MODELS:

Sakthi Hybrid 900  
Sakthi Hybrid 1100  
Sakthi Hybrid 1250  
Sakthi Hybrid 1700  
Sakthi Hybrid 2200

### APPLICATIONS:

TV, Fan, CFL, Tube Lights, Computers, Printers, Projectors, Mixer Grinder, Air Cooler, Fridge, Induction Stove, Iron Box, RO Systems, Water Pumps and Audio Systems.

### FEATURES:

- ⚡ Advanced Hybrid Controller based MOSFET PWM PURE SINE WAVE UPS.
- ⚡ 15 KHz Switching Frequency helps your equipment to run without any noise.
- ⚡ Intelligent Charger for **Smart Battery** Management.
- ⚡ **Fast Change Over** ensures compatibility with Computers (<15ms).
- ⚡ Regulated Output Voltage and Frequency for a smooth and quiet operation of AC Motor and Inductive Loads unlike the irritating noise that comes from Modified Sine Wave Systems.
- ⚡ Equipped with **Bypass Switch** to avoid any problems during UPS failure (1 KVA and above).
- ⚡ Smart Overload and Short Circuit Protection with 5 times Auto Re-tries.
- ⚡ **SMD** based PCB Boards offer higher efficiency than other conventional boards and totally eliminate chances of human errors while manufacturing.
- ⚡ In-built **Thermal** Management.
- ⚡ Easy monitoring of all the status of UPS, through Graphical LED Display like **Mains ON / Charging ON / UPS ON / Low Battery / Over Load.**

## SAKTHI SMART Pure Sine Wave UPS HOME UPS

### FEATURES:

- ⚡ DSP based MOSFET PWM PURE SINE WAVE UPS.
- ⚡ 20 KHz Switching Frequency helps your equipment to run without any noise.
- ⚡ Intelligent Charger for **Smart Battery** Management.
- ⚡ **Fast Change Over** ensures compatibility with Computers (<8ms).
- ⚡ Regulated Output Voltage and Frequency for a smooth and quiet operation of AC motor and Inductive Loads unlike the irritating noise that comes from Modified Sine Wave systems.
- ⚡ Equipped with **Bypass Switch** to avoid any problems during UPS failure.
- ⚡ Smart Overload and Short Circuit Protection with 5 times Auto Re-tries.
- ⚡ **SMD** based PCB Boards offer higher efficiency than other conventional Boards and totally eliminate chances of human errors while manufacturing.
- ⚡ In-built **Thermal** Management.
- ⚡ **SMART Front Panel LCD Display** indicating all the status of UPS like **AC Mains Input Voltage / AC Output Voltage / Load in Percentage / Battery Voltage / Flat or Tubular Battery Mode / UPS Mode ON or OFF / Fuse Blown or MCB Trip / Over Temperature / Battery Low or Trip / Overload / Short Circuit.**
- ⚡ Graphical LED Display with Audible Alarms.
- ⚡ Very High Performance at Very Low Cost.



### MODELS:

Sakthi Smart 1100  
Sakthi Smart 1250  
Sakthi Smart 1700  
Sakthi Smart 2200

### APPLICATIONS:

TV, Fan, CFL, Tube Lights, Computers, Printers, Projectors, Mixer Grinder, Air Cooler, Fridge, Induction Stove, Iron Box, RO Systems, Water Pumps and Audio Systems.

# SAKTHI HI POWER

Pure Sine Wave UPS

## STATIC UPS

### MODELS:

- Sakthi Hi Power 2250
- Sakthi Hi Power 2700
- Sakthi Hi Power 3700
- Sakthi Hi Power 5500
- Sakthi Hi Power 7500
- Sakthi Hi Power 10000
- Sakthi Hi Power 12000
- Sakthi Hi Power 15000

### APPLICATIONS:

- Bungalows and Houses for AC, Motor and Other Loads.
- Gym Equipment.
- Internet Browsing Centres.
- Photo Copiers.
- Hospitals.
- Petrol Pumps and Fuel Dispensers.
- Mobile Power Station.
- Fire Pumps, Water Pumps, Compressors, Water Coolers, Deep Refrigerators.
- Engraving Machine and Flex Printing.

### FEATURES:

- ⚡ **DSP based MOSFET / IGBT PWM PURE SINE WAVE UPS.**
- ⚡ **20 KHz** Switching Frequency helps your equipment to run without any noise.
- ⚡ Intelligent Charger for **Smart Battery** Management.
- ⚡ **Fast Change Over** using **SCR** ensures compatibility with Computers.
- ⚡ Regulated Output Voltage and Frequency for a smooth and quiet operation of AC Motor and Inductive Loads unlike the irritating THD >3% noise that comes from Modified Sine Wave Systems.
- ⚡ **THD** (Total Harmonic Distortion) <3%
- ⚡ **TDR** (Time Delay Relay) for Compressor based applications like AC (optional).
- ⚡ Equipped with **Bypass Switch** to avoid any problems during UPS failure.
- ⚡ Smart Overload and Short Circuit Protection with 5 times Auto Re-tries.
- ⚡ **SMD** based PCB Boards offers higher efficiency than other conventional Boards and totally eliminate chances of human errors while manufacturing.
- ⚡ In-built **Thermal** Management.
- ⚡ **SMART Front Panel LCD Display** indicating all status of UPS like **AC Mains Input Voltage / AC Output Voltage / Load in Percentage / Battery Voltage/ Flat or Tubular Battery Mode / UPS Mode ON or OFF / Fuse Blown or MCB Trip / Over Temperature / Battery Low or Trip / Overload / Short Circuit.**
- ⚡ Graphical LED Display with Audible Alarms.
- ⚡ Very Less Operating cost in comparison with Online Backup Systems and DG sets.
- ⚡ Very High Performance at Very Low Cost.



## UPS Technical Specifications for all models:

### AC MAINS MODE:

Input Voltage Range (INVERTER mode).....	100 to 280 Vac ± 5 Vac
Input Voltage Range (UPS mode).....	180 to 270 Vac ± 5 Vac
Change Over Time.....	<10 ms in UPS mode
	<30 ms in INVERTER mode
Min. Charging Current.....	10A ± 1A
Max. Charging Current.....	12.5A ± 1A
Boost Charging Voltage.....	14.4 ± 0.2 Vdc per battery
Float Charging Voltage.....	13.7 ± 0.2 Vdc per battery

### BATTERY BACKUP MODE:

Output Voltage at No Load.....	220 Vac ± 7 Vac
Output Frequency.....	50 Hz ± 0.5 Hz
Output Waveform.....	100% PURE SINE WAVE
Battery Low Alarm.....	10.6 ± 0.2 Vdc per battery
Battery Low Protection.....	10.4 ± 0.2 Vdc per battery

## SAKTHI ACCUMULATORS PVT LTD

(An ISO 9001:2015 & ISO 14001:2015 Certified Company)

### ALSO AVAILABLE

A comprehensive range of Sakthi Sunlite - C 10 Solar Batteries, Legend - C 20 UPS Batteries, Automotive Batteries and 2V Stationary Cells

### AUTHORISED DEALER

Statutory Notice: All batteries contain lead, which is harmful to humans and the environment. As per statutory requirements, the used battery must be returned to the authorized dealer, manufacturer or at the designated collection centers.