



ENERGY SOLUTIONS FOR
UPS, SOLAR & AUTOMOTIVE



AUTOMOTIVE | TUBULAR | E-RICKSHAW



DGS&D
DIRECTOR GENERAL OF SUPPLY & DISPOSAL
Government of India
Ministry of Commerce & Industry
Department of Commerce (Supply Division)



GeM
Government
e Marketplace





With two state-of-the-art plants in Bangalore, Karnataka, India, we are the pioneers in the manufacture of Flooded type Tubular Batteries, for UPS and SOLAR applications.

Carrying 30 years' legacy in the Tubular battery segment, we have established a significant presence in the Indian and international markets. In-house technology developed by our own R&D team has helped our customers to get value for money, superior quality and satisfaction.

This policy of building long-lasting relationship with our end users has helped us to build our organization, brick by brick, over the last 3 decades. With a humble beginning in 1992, we have grown manifold today, extending our wings to Automotive Batteries and Lithium Ion modules, for various applications.

We are proud to announce that we can deliver 1000 million VAH per year.

As all our Batteries are used in Solar/ Inverter / UPS applications, all the care has been taken to improve the quality of TUBULAR BATTERIES, by using special proprietary alloyed lead. Also, we are using a special-purpose Ceramic vent plug to improve the topping interval, making our Batteries, very low maintenance battery.







SAKTHI ACCUMULATORS PVT LTD

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

City Office

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Regd. Office

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KSRTC Layout
J P Nagar 2nd Phase
Bangalore - 560 078

+91-9731-558-115

Warehouse

B-20 KSSIDC Industrial Estate
Hosur Road, Bommasandra
Anekal Taluk
Bangalore - 560 099

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Website



KENZO AUTOMOTIVE BATTERY



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KENZO AUTOMOTIVE BATTERY



TECHNICAL SPECIFICATIONS OF KENZO MOTORCYCLE BATTERY

| Kenzo Two Wheeler Model No. | Capacity (Ah) | Voltage (V) | Charged Weight (in Kg) (+/-0.05 kg) | Dimensions in mm (L*W*H) (+/- 2mm) |
|-----------------------------|---------------|-------------|-------------------------------------|------------------------------------|
| KZ 2.5 LC | 2.5 | 12 | 1.10 | 80 x 70 x 105 |
| KZ Z4 | 3 | 12 | 1.40 | 113 x 70 x 85 |
| KZ Z5 | 4 | 12 | 1.89 | 113 x 70 x 105 |
| KZ 5 LB | 5 | 12 | 1.92 | 120 x 60 x 130 |
| KZ 7 LB | 7 | 12 | 2.43 | 150 x 60 x 130 |
| KZ 9 LB | 9 | 12 | 3.05 | 135 x 75 x 139 |

TECHNICAL SPECIFICATIONS OF KENZO AUTOMOTIVE BATTERY

| Battery Type | | Specification | | | | Dimensions in mm | | |
|-------------------|---------------------|----------------|---------------|-----------------------------------|--------------------------|------------------|---------------|----------------|
| KENZO Part Number | OLD JIS Designation | Capacity @ C20 | Capacity @ C5 | Nominal Cold Cranking Ampere Amps | Nominal Reserve Capacity | Length +/- 5mm | Width +/- 5mm | Height +/- 5mm |
| | | Ah | Ah | CCA A@ -18°C | RC in mins | mm | mm | mm |

KENZO CAR SERIES (JIS)

| | | | | | | | | |
|-----------|--------------|----|----|-----|----|-----|-----|-----|
| 34B19 R/L | NS40 | 32 | 26 | 240 | 38 | 187 | 129 | 227 |
| 38B20 R/L | NS40 | 35 | 28 | 265 | 43 | 197 | 129 | 227 |
| 55B24 R/L | NS60PMF/LPMF | 45 | 36 | 380 | 75 | 238 | 129 | 227 |

KENZO (DIN) SERIES

| | | | | | | | | |
|--------|-----------|-----|----|-----|-----|-----|-----|-----|
| DIN44 | 545106036 | 44 | 35 | 450 | 86 | 210 | 170 | 190 |
| DIN55 | 555155050 | 55 | 44 | 500 | 103 | 240 | 170 | 190 |
| DIN66 | 566112061 | 66 | 53 | 610 | 121 | 295 | 170 | 190 |
| DIN74 | 574102069 | 74 | 59 | 690 | 131 | 295 | 170 | 190 |
| DIN90 | 590109080 | 90 | 72 | 800 | 162 | 352 | 175 | 190 |
| DIN100 | 600109090 | 100 | 80 | 900 | 181 | 352 | 175 | 190 |

KENZO COMMERCIAL SERIES

| | | | | | | | | |
|------------|----------------|-----|-----|------|-----|-----|-----|-----|
| 55D23 R/L | D23 | 60 | 48 | 320 | 74 | 232 | 173 | 225 |
| 80D26 R/L | N50ZPM/ZLPMF | 70 | 56 | 500 | 110 | 260 | 173 | 225 |
| 95D31 R/L | N70PMF/LPMF | 80 | 64 | 600 | 125 | 306 | 173 | 225 |
| 105D31 R/L | NX120-7MF/LPMF | 90 | 72 | 670 | 160 | 306 | 173 | 225 |
| N100 | 105E41L | 100 | 80 | 650 | 190 | 410 | 170 | 240 |
| N120 | 115F51 | 120 | 96 | 750 | 240 | 510 | 210 | 255 |
| N150 | 145G51 | 150 | 120 | 900 | 300 | 510 | 210 | 255 |
| N200 | 190H52 | 200 | 160 | 1100 | 400 | 515 | 270 | 255 |

ALSO AVAILABLE

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

AUTHORISED DEALER



LEGEND TUBULAR - C 20 UPS / INVERTER BATTERIES



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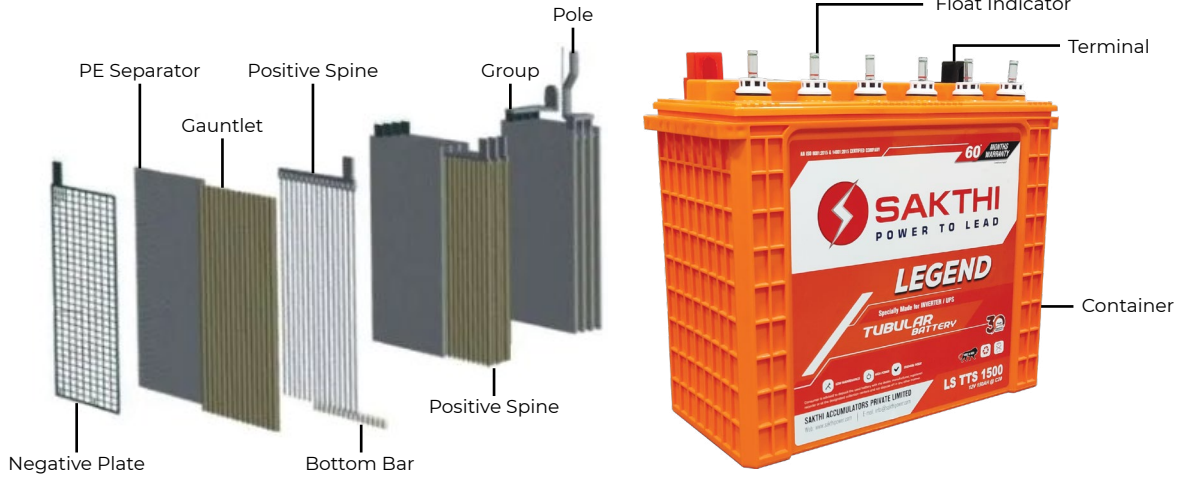
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🌐 www.sakthipower.com



Website

FEATURES

- ⚡ Long life (4 - 6 years)
- ⚡ Higher power to volume ratio
- ⚡ Very Low-Maintenance - Topping up once in 4-5 months
- ⚡ Micro-porous ceramic vent plugs - free from Acid-fumes
- ⚡ Tubular Positive Plates
- ⚡ Battery confirms to IS: 13369
- ⚡ Designed for regular deep discharge cycles
- ⚡ Rugged PPCP Container
- ⚡ Higher Ampere-Hour efficiency >90%
- ⚡ Higher Watt-Hour efficiency >75%
- ⚡ Heavy duty Lug type terminals - Easy connection



TECHNICAL SPECIFICATIONS OF SAKTHI "LEGEND" TUBULAR UPS / INVERTER BATTERIES

| Type | Nominal Voltage | Capacity Ah @20Hr Rate up to 1.80V/Cell at 27°C | Overall Dimension in mm +/- 5mm | | | Weight +/- 5% | | | Charging Current, Amps | | |
|------------------------------|-----------------|---|---------------------------------|-------|--------|---------------|----------|-------------|------------------------|--------------------|--------------|
| | Volts | | Length | Width | Height | Dry (Kg) | Wet (Kg) | Packed (Kg) | Up to 2.4 V/Cell | Nominal Finish (A) | Trickle (mA) |
| PP Horizontal Models: | | | | | | | | | | | |
| LS 70S400 | 12 | 40 | 300 | 170 | 255 | 10.3 | 17.14 | 17.99 | 3.5 | 1.75 | 35 |
| LS 100S600 | 12 | 60 | 410 | 173 | 247 | 12.55 | 22.1 | 23.05 | 5 | 2.5 | 50 |
| LS 120S800 | 12 | 80 | 512 | 185 | 252 | 19 | 33.81 | 35.06 | 6.5 | 3.25 | 65 |
| LS 150S1000 | 12 | 100 | 512 | 210 | 240 | 20.2 | 34.96 | 36.26 | 7 | 3.5 | 70 |
| PP Vertical Models: | | | | | | | | | | | |
| LS TTS1100 | 12 | 100 | 504 | 190 | 430 | 21.700 | 49.100 | 50.700 | 8.5 | 4.25 | 85 |
| LS TTS1200 | 12 | 120 | 504 | 190 | 430 | 25.280 | 51.200 | 52.800 | 10 | 5 | 100 |
| LS TTS1500 | 12 | 150 | 504 | 190 | 430 | 29.600 | 55.100 | 56.700 | 13 | 6.5 | 130 |
| LS TTS1800 | 12 | 180 | 504 | 190 | 430 | 34.100 | 58.120 | 59.720 | 15 | 7.5 | 150 |
| LS TTS2000 | 12 | 200 | 504 | 190 | 430 | 34.780 | 58.630 | 60.230 | 17 | 8.5 | 170 |
| LS TTS2300 | 12 | 230 | 504 | 190 | 430 | 40.170 | 62.650 | 64.250 | 20 | 10 | 200 |

ALSO AVAILABLE

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

AUTHORISED DEALER



SUNLITE - C 10 SOLAR TUBULAR BATTERIES



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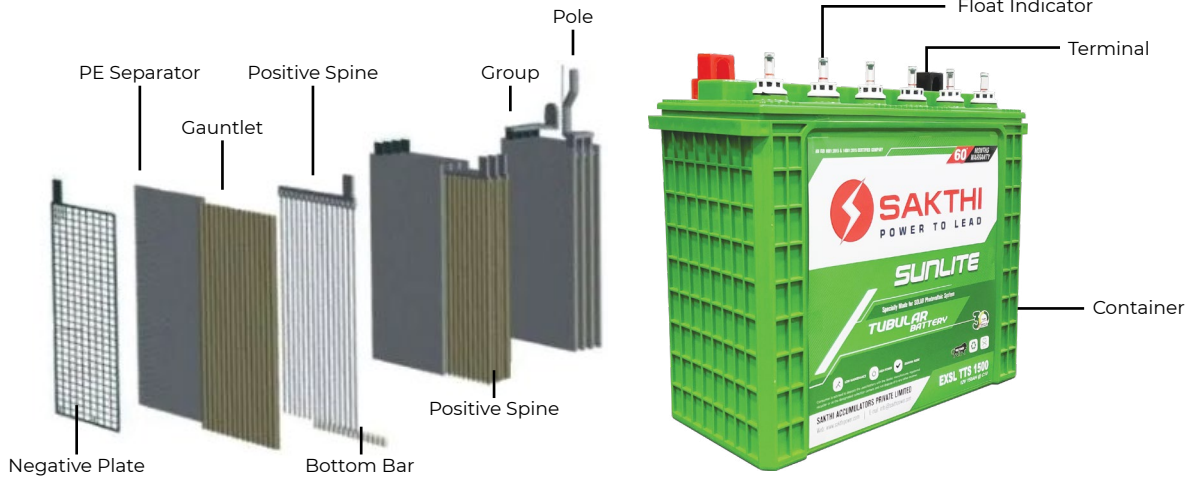
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🌐 www.sakthipower.com



Website

FEATURES

- ⚡ Long life (5 - 7 years)
- ⚡ Tubular Positive Plates
- ⚡ Very Low-Maintenance - Topping up once in 4-5 months
- ⚡ Designed for regular deep discharge cycles
- ⚡ Designed to work in PSOC
- ⚡ Higher Ampere-Hour efficiency >90%
- ⚡ Higher Watt-Hour efficiency >75%
- ⚡ Higher power to volume ratio
- ⚡ Battery confirm IS: 13369& IS: 16270
- ⚡ Rugged PPCP Container
- ⚡ Micro-porous ceramic vent plugs - free from Acid-fumes
- ⚡ Heavy duty Lug type terminals - Easy connection



TECHNICAL SPECIFICATIONS OF SAKTHI "SUNLITE" SOLAR TUBULAR BATTERIES

| Type | Nominal Voltage | Capacity Ah @10 hr Rate up to 1.80V/Cell at 27°C | Overall Dimension in mm +/- 5mm | | | Weight +/- 5% | | | Charging Current, Amps | | |
|------------------------------|-----------------|--|---------------------------------|-------|--------|---------------|----------|-------------|------------------------|----------------|------------|
| | Volts | | Length | Width | Height | Dry (Kg) | Wet (Kg) | Packed (Kg) | Up to 2.4 V/Cell | Nominal Finish | Trickle mA |
| PP Horizontal Models: | | | | | | | | | | | |
| SL 50S200 | 12 | 20 | 260 | 170 | 255 | 9 | 15.8 | 16.65 | 2 | 1 | 20 |
| SL 50S300 | 12 | 30 | 260 | 170 | 255 | 10.3 | 17.14 | 17.99 | 3 | 1.5 | 30 |
| SL 70S400 | 12 | 40 | 300 | 170 | 255 | 10.36 | 18.7 | 19.65 | 4 | 2 | 40 |
| SL 120S600 | 12 | 60 | 512 | 180 | 260 | 19 | 33.81 | 35.06 | 6 | 3 | 60 |
| SL 120S750 | 12 | 75 | 512 | 180 | 260 | 19.95 | 34.71 | 35.96 | 7.5 | 3.75 | 75 |
| SL 120S800 | 12 | 80 | 512 | 180 | 260 | 20.2 | 34.96 | 36.21 | 8 | 4 | 80 |
| PP Vertical Models: | | | | | | | | | | | |
| SL TTS1000 | 12 | 100 | 504 | 190 | 430 | 25.280 | 51.200 | 52.850 | 10 | 5 | 100 |
| SL TTS1200 | 12 | 120 | 504 | 190 | 430 | 28.900 | 53.700 | 55.350 | 12 | 6 | 120 |
| SL TTS1500 | 12 | 150 | 504 | 190 | 430 | 34.100 | 58.120 | 59.770 | 15 | 7.5 | 150 |
| SL TTS1800 | 12 | 180 | 504 | 190 | 430 | 34.780 | 58.630 | 60.280 | 18 | 9 | 180 |
| SL TTS2000 | 12 | 200 | 504 | 190 | 430 | 40.170 | 62.650 | 64.300 | 20 | 10 | 200 |

ALSO AVAILABLE

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

AUTHORISED DEALER

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

BATTERY BACKUP MODE:

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

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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.