

UPS | Home Inverters

Solar Inverter | Solar Street Lighting | Solar Home Lighting | Solar Power Plants
Telecom Sector | Railways (Train Lighting & Signalling) | Power Back Up Industries**Product Features:**

- Positive Plates : Pressure die Casted Spines
For Higher Reliability
And Longer Life
- Negative Plates : Flat Pasted
- Vent Plug : Micro-porous ceramic
- Container : PPCP
- Separators : High Porosity
polyethylene envelope
- Connectors : Through partition welding

Benefits:

- Specially Designed for SPV Application.
- Higher Charger Efficiency.
- AH Efficiency - In Excess of 90%
- WH Efficiency - In Excess of 80%
- Low Rate of Self Discharge.
- Spl. Lead Alloys Used for Very Low Maintenance.
- Life cycle:
 - 2000 cycles @ 50% DOD
 - 4000 cycles @ 20% DOD

**SANKALP**

EXCELLENCE | SAFETY | DURABILITY

Sankalp India Solutions Private Limited

Office: Gajanand Tower, No. 4/8, 3rd Floor, 1st Cross, Annipura,
Sudhamnagar, K.H. Road, Bangalore - 560027
Phone : 080 22115936, Email: info@sankalpindia.in
Factory: 16A, Bidadi Ind. Area, 2nd Phase, Sector I,
B'lore-Mysore Road, Bidadi-562109

An
ISO Certified
ConcernISO
9001-2008ISO
14001-2004**SANKALP**

EXCELLENCE | SAFETY | DURABILITY

**An Introduction**www.sankalpindia.in



SANKALP

EXCELLENCE | SAFETY | DURABILITY

Company Brief:

Name: M/s. Sankalp India Solutions Private Limited
 Certification: ISO 9001-2008 & ISO 14001
 Incorporation: July 2005
 Location: Bangalore, Karnataka

Activity: Manufacturer of lead acid storage batteries, both flooded tubular and SMF VRLA batteries & 2V VRLA cells (AGM)

Consumer Segments:

- Home UPS / Inverter
- Solar
- Railways
- Traction
- Telecom
- Stationary Batteries For Electricity Boards

Manufacturing Facility:

- Bidadi Industrial Area in Bangalore
- Two acres of land with 26,000 sq ft. built up
- Production capacity 20,000 batteries per month
- Automated battery manufacturing facility
- Best in class battery manufacturing machinery
- Equipped with critical controls
- PLC based programmable curing & formation
- High pressure Die casting of spines
- Automatic Grid casting machines
- Ox-master type Paste Mixing
- Mac type flash drying ovens
- Highly stable and reliable Heat sealing machine

We have well equipped latest testing facilities to test the incoming raw material (chemical lab) and also the battery testing lab to monitor the quality and performance of batteries at every stage of production. Tubular batteries manufactured are assembled in translucent PP containers with Tubular positive plates and pasted negative plates for deep cycling. Tubular Batteries manufactured for Solar application are type tested at CPRI, Bangalore as per MNRE Spec. Our 2V Tubular cells have been type tested at NABL accredited test lab (IIT Chennai).

The company has embarked on its companywide continuous improvement program and is constantly upgrading its products and services.



SANKALP PRODUCT RANGE

Container / Lid Technology	Battery Capacity Range	Battery Life Capability Range	Battery Specific Application
1. Pressure Die Cast Tubular Flooded - Home Inverter			
12 Volts Monoblock in Heat Sealed PP Container	100 Ah to 240 Ah	Up to 7 Years / >4000 Cycles at 20% DOD	Home Inverter; Shallow to Deep Cycling
2. Pressure Die Cast Tubular Flooded - Solar Block			
12 Volts Monoblock in Heat Sealed PP Container	20 Ah to 200 Ah	Up to 7 Years / >4000 Cycles at 20% DOD	Solar Photovoltaic; EV
3. Pressure Die Cast Tubular Flooded - Stationary Block			
12 Volts Monoblock in Heat Sealed PP Container	20 Ah to 600 Ah	Up to 12 Years / in Float Service	Power Back up; Emergency Power
4. Pressure Die Cast Tubular Flooded - Stationary Cell			
2 Volts in Bitumen Sealed HR / SAN Container with Epoxy Sealing	20 Ah to 1200 Ah	Up to 12 Years / in Float Service	Telecom, Power Back up; Emergency Power
5. AGM VRLA with Flat Pasted - UPS Block			
12 Volts Monoblock in Epoxy Sealed ABS Container	26 Ah to 200 Ah	Up to 5 Years / > 2000 Cycles at 20% DOD	UPS, Solar, ATM, Data Centers
6. AGM VRLA with Flat Pasted - Stationary Cell			
2 Volts Cells in Heat Sealed PP Container and Powder Coated Steel Tray	100 Ah to 1600 Ah in Single Cells and upto 6000Ah	Up to 20 Years / in Float Service & >4000 Cycles @ Parallel 20% DOD	Telecom, UPS & ATM, Data Centers, Solar
7. Pressure Die Cast Tubular / Flat Pasted Flooded - Diesel Loco Cell			
2 Volts Cells in Heat Sealed PP Container Housed in PE Tray	290 Ah to 600 Ah in Single Cells	Up to 4000 Amps Cranking Current	Diesel Loco Engine Starting, Train Lighting

Battery Construction

