



TECHNOLOGIES
UPS | Batteries | Solar

NCE TECHNOLOGIES

Experts : UPS | BATTERIES | SOLAR



www.goforbatteries.com

Overview

Founded in 2007 in the name of Icode Technologies Private Limited has established a long history in the manufacture and development of premium grade, deep cycle batteries. and Due to the Market Requirement in Tamilnadu Icode Technologies Private Limited has established a sister concern called NCE Technologies. As NCE grew, so did its product line, building a tradition of quality and durability, specializing in Traction and Stationary Batteries including applications like - forklifts, tow trucks, stackers, pallet trucks, cranes, lifting platforms, generator starting batteries, golf carts, sweepers / scrubbers, marine, railway, electricity power station switch tripping units, UPS, Invertors, Solar cells and range of other special application types. NCE Technologies Have A modern and well equipped plant at Coimbatore and have a strong domestic base and a good export

About Batteries

A majority of NCE Technologies Batteries are made with rugged heavy duty tubular plate constructions available in single 2V cells and mono blocks.

NCE Technologies has an efficient and flexible team for our local and international customers. Our company size provides flexibility and speed in all situations. This enables us to purpose specific battery situations for specific customer needs. Our team can take quick and appropriate decisions for each customer for whom we provide a one to one partnership. We can develop specific batteries as per customer requirements and offer a flexible production schedule resulting in short delivery times.

All companies differ in many aspects regarding their products and services. We are convinced that our employees are our main asset. Our team combines knowledge, experience, reliability and passion which finally results in the quality of our products, services and a daily work ethics for maintaining continuous customer relationship.

Behind the outstanding quality and performance of our products are our people; working with a high level of motivation to meet our customer's needs... Please do not hesitate to come back to us or get directly in contact with our sales force for any further information.

NCE Stationary Batteries are power sources for a wide range of applications. Made with rugged. Heavy Duty Tubular Plate Constructions they are available in both single-cell units and monoblock containers. They are used in power station for switch-gear control, in telecommunication systems, UPS systems and railway signaling equipment. They constitute stand-by D.C power source for telephone exchanges. PABX/EPABX inverters (emergency lighting/fans) and fire alarms, They are used as an energy storage medium for non- conventional energy sources.

NCE Stationary Batteries (Motive Power Batteries) are specially designed to meet the demands of rigorous working conditions in electrically operated material handling equipment and vehicles like fork-lifts, platform / tow trucks, power trolleys, electric vehicles and may other industrial traction applications. High energy-density active -material formulation combined with tubular plate construction gives excellent cycling ability and dependable performance.



STATIONARY CELL

Our Batteries



200 AH



180 AH



150 AH



100 AH

Our Features



Safety

NCE Battery's safety design features and protective controls in the battery management system guard against failure modes common to industrial batteries due to misuse, damage or other external factors.



Long Service Life

NCE Batteries are designed for continued daily cycle performance over extended periods of time, enabling a high-energy throughput over the life of the battery. NCE technologies can run over 3,500 cycles at deep depth-of-discharge (80% DOD) and features a virtually unlimited shelf life since they do not self-discharge.



Temperature Independent

NCE technologies is suitable to operate in extreme ambient temperatures without adversely affecting energy delivery, life cycle and safety. Capable of operating at temperatures ranging from -40°C to 65°C, NCE Energy Grid Batteries do not require the use of air conditioning or heating.



Minimal Maintenance

NCE Batteries require minimal on-site maintenance. Each module has a battery management system that monitors the battery's condition and allows for remote monitoring and diagnostics enabling significant reduction in battery operating costs.



Environmental Responsible

NCE Batteries, a product of Eco-magination, are fabricated from abundantly available raw materials and can be recycled through the GE-authorized recycling partners at the end of the battery's service life, reducing industrial waste.



High Reliability

NCE Technologies systems are engineered to maintain power. Individual battery modules have a battery management system designed to optimize battery life and performance, protect against destructive conditions, and enable remote monitoring and diagnostics.

Smaller Footprint

With best-in-class energy density, NCE Batteries offer more energy in half the space and one-third the weight of an equivalent wet-cell, lead-acid battery.

Scalable

A modular design allows for customization – acting as building blocks, NCE Batteries can be aggregated into multiples of hundred-kilowatt-hour-sized or megawatt-hour-sized energy storage units that integrate into energy management control systems.

Seamless Integration

Designed to communicate with standard energy management systems, each NCE Battery module easily integrates into any pre-existing, system-wide control software.

Dimensions and Initial filling Charging Details

Battery Type	Capacity @C10 (AH)	Dimensions (in mm)±5mm			Dry Weight (in Kg)	Acid Volume (per Battery) In Ltr	Initial Filling Charging (In Amps)	Duration Of Charging (in Hrs)	Warranty
		L	W	H					
6SPS50 PP	50	306	173	268	14.6	6.9	5.0	20	24 Months
6SPS75 PP	75	410	175	265	21.9	8.7	7.5	30	24 Months
6SPS100 PP	100	510	210	265	28.1	12.6	10.0	30	24 Months
6SPS135 PP	135	515	272	240	38.0	13.1	13.5	30	24 Months

12 Volts – 120 AH, 150 AH & 180 AH in Tower Type Container

Battery Type	Capacity @C10 (AH)	Dimensions (in mm)±5mm			Dry Weight (in Kg)	Acid Volume (per Battery) In Ltr	Initial Filling Charging (In Amps)	Duration Of Charging (in Hrs)	Warranty
		L	W	H					
6SPS1200 PP	120	505	190	450	29.5	23.4	12	15	30 Months
6SPS1500 PP	150	505	190	450	35.5	23.4	15	15	30 Months
6SPS1800 PP	180	505	190	450	40.0	21.0	18	15	30 Months

Batteries Are Supplied in Dry Charged Condition and requires the following Initial Charging

INITIAL FILLING SPECIFIC GRAVITY: 1.240 ± 0.010 @ 270C

ELECTROLYTE LEVEL: Fill until float reaches TOP MARKING ON THE FLOAT GUIDE

REST PERIOD: Minimum of 6 hours

While charging never allow the cell temperature to exceed more than 500C. Allow it to cool down to room temperature before continuing the charging process.



Initial Filling & Charging can be considered complete only after obtaining the following conditions.

1. Specific gravity and voltage should remain constant for three consecutive hourly reading.
2. Top of charge voltage to be within 16.2 to 16.5 Volts.
3. All cells should gas freely.

Final Specific Gravity: 1.250 ± 0.10 @ 270C . Variation in acid specific gravity to be adjusted by using distilled / De-mineralised water or diluted battery grade sulphuric acid. Ensure specific gravity in all cells is equal.

After the above initial treatment, the battery is ready for use and can be connected to the system.

Note:

1. If the battery is operated continuously in cold climate (i.e. if the average Ambient temperature throughout the year in less than 270C) contact NCE TECHNOLOGIES for (Specific Gravity of initial filling electrolyte) details.
2. Use electrolyte as per IS 266.

At NCE Industries, comprehensive in-house testing and development facilities, constantly monitor product quality and performance. This along with highly qualified and experienced personnel provides the foundation for continuing success in product development and improvement, as well as a dedicated approach towards achieving a consistent and high quality product. All NCE Batteries are tested for conformance to the relevant Bureau of Indian standards specifications.

NCE Batteries have been tested at independent government approved tested at independent government approved test houses based on end user need such as the Central Electro-chemical Research Institute , (CSIR , Chennai), Central Institute of Road Transport, Pune, Electronics Test and Development Centre, Chennai and Have Conformed to the relevant IS specifications.

NCE Batteries give excellent value – they are backed up by technical support, committed deliveries and total customer service.

Product Range

Battery Type	Specn.	Voltage	Ampere Hour Rating	Application
STATIONARY SST- series	IS: 1651	2-Volt to 440-Volt	20 AH to 5000 AH	Stand by DC Power Supply for Power Stations (Switch Tripping units) Tele-communication Systems, Solar Cell systems, Wind energy system, etc
SPS-Series-UPS TUBULAR MULTICELL	IS: 13369	6-Volt to 12-Volt	20 AH to 200 AH	For UPS System & Electronic Equipment, Medical Equipment etc.,
TRACTION MOTIVE POWER	IS: 5154	12-Volt to 96-Volt	80 AH to 140 AH	Electrically Powered Vehicles, Forklift Trucks, Platform Trucks/ Trolley, Material Handling Equipment and Electric Vehicles.
GENERATOR STARTER	IS: 7372	12-Volt	135 AH to 150 AH	FOR STARTING Diesel Generator Sets,

NCE Technologies

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FOR SPECIFYING YOUR REQUIREMENTS OF BATTERIES
PLEASE PROVIDE US THE FOLLOWING DETAILS

STATIONARY / UPS / SOLAR

FOR TRACTION - FORKLIFT-TOW TRUCK-
PALLET TRUCK - OTHER VEHICLE

STATIONARY

2V CELLS OR 6/12V MONOBLOC
TOTAL SYSTEM VOLTAGE
CAPACITY AMPHRE HOUR RATING
DISCHARGE RATE 5/10/20/OTHER
HARD RUBBER CONTAINER OR
SAN CONTAINER/PP CONTAINER
AVAILABLE CHARGER DETAILS
ACCESSORIES REQUIRED

TRACTION
VEHICLE MAKE & MODEL
TONNAGE
BATTERY VOLTAGE
BATTERY CAPACITY AH
5/6 HOUR RATING
CHARGER DETAILS
TYPE OF CHARGING
BATTERY LIFE MONITORING AVAILABILITY



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