Accessories & Tools

Targeted Customer Segments

Client List

DELTA IT NETWORK PVT. LTD.
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DELTA IT NETWORK Pvt. Ltd.

Complete **Battery** Solutions

www.deltaitnetwork.com

DELTA IT NETWORK PVT. LTD.

Range of equipments, Tools and OTC Battery life enhancement Products

E&F X- CHARGER :

(3 IN 1 RECOVERY CHARGER)

X- Charger is an Automatic, Programmable, Multi battery and Multi voltage charging device. It can diagnose, boost charge, desulphate and revive all lead acid batteries. It works on the Batteries like flooded, tubular, SMF, AGM and VRLA.

APPLICATIONS OF MACHINE

- It can rejuvenate all 06, 08, 12 volt lead acid batteries and 2 volt cell battery banks of 48, 72, 120 volt or above
- It is suitable from 7 AH to 600 AH capacity of the batteries

SPECIFICATION OF MACHINE

- AC input voltage - 240 VAC, 50 Hz
- DC output voltage - 200 VDC
- AC input Current - Max 40 Amps
- DC Output Current - 0.5 Amps to 25 Amps

FEATURES OF MACHINE

1. Diagnosis –
   - Sulphation level
   - Battery soc
   - Battery voltage
2. Desulphation –
   - Reduce suphation level
   - Decrease the internal resistance
   - Restore battery lost capacity and potential
3. Charging
   - Initial charge
   - Refresh charge
   - Boost charge
   - Equalization of batteries

ABOUT ELIXIR SOLUTION

Elixir Solution is used along with X-charger machine to rejuvenate the used batteries. It is for 06, 08, 12 volt lead acid batteries and 2 volt cell battery banks of 48, 72, 120 volt or above

FEATURES OF ELIXIR SOLUTION

- Elixir Solution Breaks the molecules of lead-sulphate.
- Elixir Solution Keeps the acid temperature low, reducing dehydration.
- Elixir Solution Prevents sulphation in lead acid batteries and enhances battery life

WHAT IS E&F TECHNOLOGY?

Energy and Fire uses de-sulphating technology from U.S.A.
This power recovery technology for lead acid batteries is based on ELECTRO-CHEMICAL procedure. This methodology was designed to follow strict scientific principles of electrochemistry of lead acid batteries. The overall purpose of this methodology is to recover the lost potentials of any lead acid battery in any state of health, including those considered to be scrap or out of service in any state of charge. The main characteristic required for success is that the batteries should be mechanically intact inside.

+ We use EBEP (Electro-chemical battery enhancement process) technology which includes our X-charger and Elixir additive to select and sustain healthy, porous lead sulphate (Pbso4) particles.
+ X-charger rejuvenates these batteries over a process time of 18 - 24 hours by charging them with patented wave-form current

BENEFITS OF OUR TECHNOLOGY

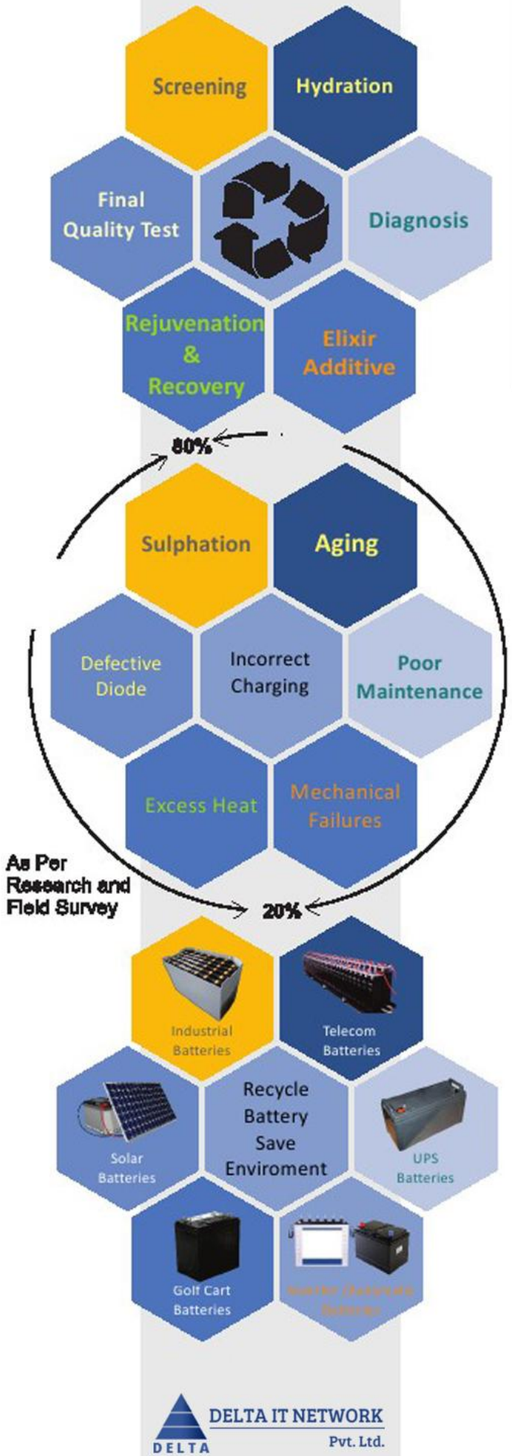
+ We Restore battery capacity, prolonging service life span, prevent and delay sulphation formation in Batteries. Battery rejuvenation at economical cost and improve battery performance & efficiency.
+ Reduce water consumption during cycle life, battery maintenance cost, and reduce power consumption in battery charging.
+ Delays sulphation formation in battery & increase years of services life of lead acid batteries.
+ Defer new battery purchase, thus reduce battery acquisition cost & save lead recycling ratio by battery rejuvenation of low performance batteries.
+ Keep the battery cool as it reduce the internal temperature of battery thereby solving the excessive heat problem.
+ Helps the environment by Extending battery life.

WHY BATTERIES DIE? WHAT IS SULPHATION?

+ A significant number of batteries stop working due to the accumulation of led sulphate crystals on the plates, corrosion, and mechanical failures.
The primary cause of failures in batteries, that are otherwise mechanically sound, occurs when lead sulphate crystals turn abnormally hard and clog the plates. Sulphuric acid cannot enter the pores and the battery starves to death.
+ Sulphation is the formation of small sulphate crystals out of the sulphuric acid in the battery, that deposit on the negative plates. Ultimately over a period of time specially due to insufficient charging they develop in to large crystals which physically block the electrolyte from entering the pores of the plates.

OUR MISSION

The mission of Energy & Fire is to create, develop and support successful cost reduction strategies of all battery dependent businesses. Its aim is to recover, restore, rejuvenate and resell all types of Lead Acid batteries to reduce cost, waste and pollution. Energy & Fire has technical collaboration with a USA Company, who have developed and patented battery rejuvenation technology which is being successfully used in over 30 countries worldwide. We are successfully operating over 100 locations in 23 states of India.



COST BENEFIT ANALYSIS (APPROX.)

Battery Specification	Cost Of Battery	Avg Life	Cost Per Year	Rejuvenation Cost	Avg. Life After Revival	Effective saving per year
150AH Tall Tubular	Rs. 15,000	3 Years	Rs. 5,000	Rs. 2,250	12 - 18 months (with 1 yr warranty)	Rs. 2,750 Per Year
300AH 48V(2V Cellx24)	Rs. 1,44,000	3 Years	Rs. 48,000	Rs. 36,000	18-24 months (with 18 months warranty)	Rs. 24,000 Per Year