



Storage Batteries; The Chemistry and Physics of the Lead Accumulator

By Harry Wheeler Morse

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1912 Excerpt: .the plate during discharge. 79. Recovery Curves and Diffusion Curves.--The curves in Figures 30, 33, and 34 are very nearly like diffusion curves. When the circuit is closed for discharge, material is rapidly exhausted near the solid particles which are active. The concentration gradient becomes steep and acid begins to diffuse toward that point. Lead sulphate is formed in the solution and presently a state of very dynamic equilibrium is reached. Acid is being transported by diffusion just fast enough to supply the demand at the point of reaction; and lead sulphate is being removed by precipitation as fast as it is formed. The curves referred to are, of course, voltage curves, but the relations of page 92 show clearly that the curves can equally well express the average concentration of reacting materials at the point of action. The recovery curve of page 133 is of...



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