

1. Record Nr.	UNINA9910814107003321
Autore	Crompton T. R (Thomas Roy)
Titolo	Battery reference book // T.R. Crompton
Pubbl/distr/stampa	Oxford, England ; ; Boston, : Newnes, 2000
ISBN	1-281-03492-4 9786611034924 0-08-049995-3
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (759 p.)
Disciplina	621.31/242 21 621.31242
Soggetti	Electric batteries Storage batteries
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Cover; Battery Reference Book; Copyright Page; Contents; Preface; Acknowledgements; Chapter 1. Introduction to battery technology; Chapter 2. Guidelines to battery selection; Part 1: Battery Characteristics; Chapter 3. Lead-acid secondary batteries; Chapter 4. Nickel batteries; Chapter 5. Silver batteries; Chapter 6. Alkaline manganese batteries; Chapter 7. Carbon-zinc and carbon-zinc chloride primary batteries; Chapter 8. Mercury batteries; Chapter 9. Lithium batteries; Chapter 10. Manganese dioxide-magnesium perchlorate primary batteries Chapter 11. Magnesium-organic electrolyte primary batteries Chapter 12. Metal-air cells; Chapter 13. High-temperature thermally activated primary reserve batteries; Chapter 14. Zinc-halogen secondary batteries; Chapter 15. Sodium-sulphur secondary batteries; Chapter 16. Other fast-ion conducting solid systems; Chapter 17. Water-activated primary batteries; Part 2: Battery theory and design; Chapter 18. Lead-acid secondary batteries; Chapter 19. Nickel batteries; Chapter 20. Silver batteries; Chapter 21. Alkaline manganese batteries; Chapter 22. Carbon-zinc and carbon-zinc chloride batteries Chapter 23. Mercury-zinc batteries Chapter 24. Lithium batteries; Chapter 25. Manganese dioxide-magnesium perchlorate primary

batteries; Chapter 26. Metal-air batteries; Chapter 27. High-temperature thermally activated primary batteries; Chapter 28. Zinc-halogen secondary batteries; Chapter 29. Sodium-sulphur secondary batteries; Part 3: Battery performance evaluation; Chapter 30. Primary batteries; Chapter 31. Secondary batteries; Part 4: Battery Applications; Chapter 32. Lead-acid secondary batteries; Chapter 33. Nickel batteries; Chapter 34. Silver batteries
Chapter 35. Alkaline manganese primary batteries Chapter 36. Carbon-zinc primary batteries; Chapter 37. Mercury batteries; Chapter 38. Lithium primary batteries; Chapter 39. Manganese dioxide-magnesium perchlorate primary batteries; Chapter 40. Metal-air batteries; Chapter 41. High-temperature thermally activated primary batteries; Chapter 42. Seawater-activated primary batteries; Chapter 43. Electric vehicle secondary batteries; Part 5: Battery charging; Chapter 44. Introduction; Chapter 45. Constant-potential charging
Chapter 46. Voltage-limited taper current charging of alkaline manganese dioxide batteries Chapter 47. Constant-current charging; Chapter 48. Taper charging of lead-acid motive power batteries; Chapter 49. Methods of charging large nickel-cadmium batteries; Part 6: Battery suppliers; Chapter 50. Lead-acid (secondary) batteries; Chapter 51. Nickel batteries; Chapter 52. Silver batteries; Chapter 53. Alkaline manganese dioxide batteries; Chapter 54. Carbon-zinc batteries (primary) and carbon-zinc chloride batteries; Chapter 55. Mercury batteries; Chapter 56. Lithium batteries
Chapter 57. Manganese dioxide-magnesium perchlorate (primary) batteries

Sommario/riassunto

Crompton's Battery Reference Book has become the standard reference source for a wide range of professionals and students involved in designing, manufacturing, and specifying products and systems that use batteries. This book is unique in providing extensive data on specific battery types, manufacturers and suppliers, as well as covering the theory - an aspect of the book which makes an updated edition important for every professional's library. The coverage of different types of battery is fully comprehensive, ranging from minute button cells to large installations weighing several hu
