

Space Technology — Volume 1

# Spacecraft Power Technologies

**A. K. Hyder, R.L. Wiley, G. Halpert,  
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Imperial College Press

# Spacecraft Power Technologies

**Katrin Zwirgmaier**



## **Spacecraft Power Technologies:**

**Spacecraft Power Technologies** D J Flood, Gerald Halpert, Anthony K Hyder, Shey Sabripour, R L Wiley, 2000-01-31  
Spacecraft Power Technologies is the first comprehensive text devoted to the technologies critical to the development of spacecraft electrical power systems The science and engineering of solar chemical and nuclear systems are fully examined together with the constraints imposed by the space and thermal environments in which the systems must operate Details of present technology and the history that led to the current state of the art are presented at a level appropriate for the student as a textbook or the practicing engineer as a reference

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Spacecraft Power System Technologies Qi Chen, Zhigang Liu, Xiaofeng Zhang, Liying Zhu, 2020-08-14 This book provides an introduction to the main design principles methods procedures and development trends in spacecraft power systems It is divided into nine chapters the first of which covers the classification and main components of primary power system design and power distribution system design In turn Chapters 2 to 4 focus on the spacecraft power system design experience and review the latest typical design cases concerning spacecraft power systems in China More specifically these chapters also introduce readers to the topological structure and key technologies used in spacecraft power systems Chapters 5 to 7 address power system reliability and safety design risk analysis and control and in orbit management in China s spacecraft engineering projects The book s closing chapters provide essential information on new power systems and technologies such as space nuclear power micro and nano satellite power systems and space energy interconnection systems An outlook on future development trends rounds out the coverage

**Spacecraft Power Technologies** ,2000 Technology for Large Space Systems ,1989 **Electrical Power Technologies for Spacecraft** Gary L. Bennett, 1998 **Energy** ,1980 Technology for Large Space Systems: A Bibliography with Indexes (supplement 21) ,1988 *Technology for Large Space Systems* ,1987 **The Technology Teacher** ,2000 *NASA Technical Memorandum* ,1963 Energy Research Abstracts ,1977 Semiannual with semiannual and annual indexes References to all scientific and technical literature coming from DOE its laboratories energy centers and contractors Includes all works deriving from DOE other related government sponsored information and foreign nonnuclear information Arranged under 39 categories e g Biomedical sciences basic studies Biomedical sciences applied studies Health and safety and Fusion energy Entry gives bibliographical information and abstract Corporate author subject report number indexes

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