

Space Solar Power

An Illustrated Introduction

This book highlights a comprehensive introduction to space solar power, covering the history, latest developments, system composition, and key technologies. With the backdrop of global climate change and the aim towards carbon neutrality, space solar power offers a sustainable and clean energy option for humanity. This book, filled with colorful graphics, provides an engaging reading experience for readers to easily grasp this exciting form of power generation in space. It covers key technologies such as high-power solar energy generation in space, wireless energy transmission, and the transportation and construction modes of space solar power stations. The author also introduces typical system schemes, highlighting the Multi-Rotary joints SPS as a significant example. Designed for college students majoring in astronomy, aeronautics, energy, and engineering, this book expands their understanding of space exploration and the innovative development of clean energy sources. It also serves as a valuable reference for researchers and engineers involved in space solar power research. The English translation of this book, originally in Chinese, was facilitated by artificial intelligence. The content was later revised by the author for accuracy.

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171,19 €

159,99 € (zzgl. MwSt.)

*Lieferfrist: bis zu 10 Tage***Artikelnummer:** 9789819735822**Medium:** Buch**ISBN:** 978-981-97-3582-2**Verlag:** Springer**Erscheinungstermin:** 04.07.2026**Sprache(n):** Englisch**Auflage:** Erscheinungsjahr 2026**Serie:** Sustainable Development Goals
Series**Produktform:** Kartoniert**Seiten:** 185**Format (B x H):** 178 x 254 mm