



# Microwave Power Transmission as a Future Feasibility of Solar Power Satellite

By Amit Sachan

GRIN Verlag Apr 2013, 2013. sonst. Bücher. Book Condition: Neu. 211x149x12 mm. This item is printed on demand - Print on Demand Neuware - Research Paper from the year 2013 in the subject Energy Sciences, printed single-sided, grade: -, - (Jaipur), language: English, comment: The new millennium has introduced increased pressure for finding new renewable energy sources. The exponential increase in population has led to the global crisis such as global warming, environmental pollution and change and rapid decrease of fossil reservoirs. Also the demand of electric power increases at a much higher pace than other energy demands as the world is industrialized and computerized. Under these circumstances, , abstract: The search for a new, safe and stable renewable energy source led to the idea of building a power station in space which transmits electricity to Earth. The concept of Solar Power Satellites (SPS) was invented by Glaser in 1968. SPS converts solar energy into microwaves and transmit it to a receiving antenna on Earth for conversion to electric power. The key technology needed to enable the future feasibility of SPS is Microwave Power Transmission. SPS would be a massive structure with an area of about 56 sq. and would, weigh...



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