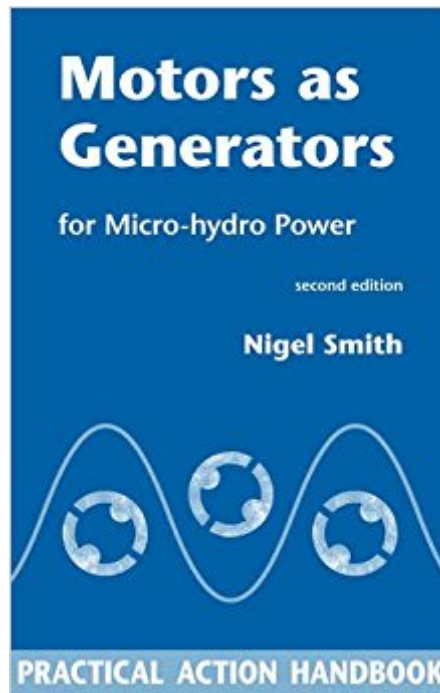




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Motors As Generators For Micro-Hydro Power



Synopsis

The new edition of this useful and practical handbook is a guide to the use of induction motors for electricity generation in remote locations and arises out of the practical experience of manufacturers and installers of induction generators working in village locations in a number of countries. The use of motors as generators is now well proven and promises to be an important element in establishing self-sustaining local capacity for village-scale hydro in developing countries. Micro-hydro is a valuable source of energy for rural industries and village electrification schemes. It offers potential to remote communities with applications in village lighting, mechanized food processing, and the supply of power to small-scale industrial activities.

Book Information

Paperback: 112 pages

Publisher: Practical Action; 2nd edition (February 15, 2008)

Language: English

ISBN-10: 1853396451

ISBN-13: 978-1853396458

Product Dimensions: 5.5 x 0.3 x 8.5 inches

Shipping Weight: 5.6 ounces (View shipping rates and policies)

Average Customer Review: 4.4 out of 5 stars 8 customer reviews

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Customer Reviews

Nigel Smith has worked with the Intermediate Technology Development Group on induction generators for micro-hydro since 1985. He gained his PhD from the Nottingham Trent University, where he continues to work as a Senior Research Fellow. He has his own engineering consultancy, Smith Associates, and has worked in Nepal, Indonesia, Pakistan, Sri Lanka, Uganda, and Zimbabwe.

This is a technical manual so don't expect a thrilling read! As with all Practical Action publications the info is set out in a really straightforward way and is designed to empower the reader with proper

practical knowledge for a quite theoretical subject. A really well laid out little book containing clear, useful and in depth information.

This book does exactly what it is supposed to do...tell you what is possible and what is not. That being said, you will start on a path of discovery that will end only when you have exhausted your curiosity.

I bought this book to assist me in converting a 3 phase motor (generator) to single phase output power for my wind turbine cogen system. It covers the C2C method pretty well but as in most tech books could use a few more examples.

I was expecting a book more for an ordinary person not someone who was a professional in the industry. The book is very informative but I'll freely admit it's over my head a bit. I could work my way through it but won't until I need to.

Very good for converting an engine to generator.

The material was both a little more technical than I expected, while at the same time did not give the level of specificity regarding resources I was hoping for. Best I have seen if you are ready to dig deeper than the basics on this obscure area of knowledge, I will definitely have a copy in my back pocket when I go looking for a motor/generator.

ok

good technical book

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