



Shipboard Propulsion, Power Electronics, and Ocean Energy

Mukund R. Patel

Download now

[Click here](#) if your download doesn't start automatically

Shipboard Propulsion, Power Electronics, and Ocean Energy

Mukund R. Patel

Shipboard Propulsion, Power Electronics, and Ocean Energy Mukund R. Patel

Shipboard Propulsion, Power Electronics, and Ocean Energy fills the need for a comprehensive book that covers modern shipboard propulsion and the power electronics and ocean energy technologies that drive it. With a breadth and depth not found in other books, it examines the power electronics systems for ship propulsion and for extracting ocean energy, which are mirror images of each other.

Comprised of sixteen chapters, the book is divided into four parts:

- *Power Electronics and Motor Drives* explains basic power electronics converters and variable-frequency drives, cooling methods, and quality of power
- *Electric Propulsion Technologies* focuses on the electric propulsion of ships using recently developed permanent magnet and superconducting motors, as well as hybrid propulsion using fuel cell, photovoltaic, and wind power
- *Renewable Ocean Energy Technologies* explores renewable ocean energy from waves, marine currents, and offshore wind farms
- *System Integration Aspects* discusses two aspects—energy storage and system reliability—that are essential for any large-scale power system

This timely book evolved from the author's 30 years of work experience at General Electric, Lockheed Martin, and Westinghouse Electric and 15 years of teaching at the U.S. Merchant Marine Academy.

As a textbook, it is ideal for an elective course at marine and naval academies with engineering programs. It is also a valuable reference for commercial and military shipbuilders, port operators, renewable ocean energy developers, classification societies, machinery and equipment manufacturers, researchers, and others interested in modern shipboard power and propulsion systems.

The information provided herein does not necessarily represent the view of the U.S. Merchant Marine Academy or the U.S. Department of Transportation.

This book is a companion to *Shipboard Electrical Power Systems* (CRC Press, 2011), by the same author.

 [Download Shipboard Propulsion, Power Electronics, and Ocean ...pdf](#)

 [Read Online Shipboard Propulsion, Power Electronics, and Oce ...pdf](#)

Download and Read Free Online Shipboard Propulsion, Power Electronics, and Ocean Energy

Mukund R. Patel

From reader reviews:

Shirley Smith:

Information is provisions for people to get better life, information nowadays can get by anyone on everywhere. The information can be a knowledge or any news even restricted. What people must be consider when those information which is inside the former life are challenging to be find than now is taking seriously which one is suitable to believe or which one the actual resource are convinced. If you obtain the unstable resource then you get it as your main information you will have huge disadvantage for you. All of those possibilities will not happen with you if you take Shipboard Propulsion, Power Electronics, and Ocean Energy as your daily resource information.

Edward Peterson:

Reading a publication can be one of a lot of task that everyone in the world adores. Do you like reading book thus. There are a lot of reasons why people enjoyed. First reading a publication will give you a lot of new info. When you read a publication you will get new information because book is one of many ways to share the information as well as their idea. Second, reading through a book will make anyone more imaginative. When you looking at a book especially hype book the author will bring you to definitely imagine the story how the figures do it anything. Third, it is possible to share your knowledge to other individuals. When you read this Shipboard Propulsion, Power Electronics, and Ocean Energy, you are able to tells your family, friends in addition to soon about yours book. Your knowledge can inspire different ones, make them reading a book.

Tawny Morgenstern:

People live in this new day time of lifestyle always try and and must have the extra time or they will get great deal of stress from both everyday life and work. So , if we ask do people have extra time, we will say absolutely yes. People is human not really a huge robot. Then we request again, what kind of activity are there when the spare time coming to a person of course your answer will probably unlimited right. Then ever try this one, reading publications. It can be your alternative within spending your spare time, typically the book you have read is Shipboard Propulsion, Power Electronics, and Ocean Energy.

Ronald Smith:

Is it a person who having spare time in that case spend it whole day by simply watching television programs or just lying down on the bed? Do you need something totally new? This Shipboard Propulsion, Power Electronics, and Ocean Energy can be the answer, oh how comes? A book you know. You are and so out of date, spending your free time by reading in this completely new era is common not a nerd activity. So what these ebooks have than the others?

**Download and Read Online Shipboard Propulsion, Power
Electronics, and Ocean Energy Mukund R. Patel #6JTB5X1MQ7N**

Read Shipboard Propulsion, Power Electronics, and Ocean Energy by Mukund R. Patel for online ebook

Shipboard Propulsion, Power Electronics, and Ocean Energy by Mukund R. Patel Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Shipboard Propulsion, Power Electronics, and Ocean Energy by Mukund R. Patel books to read online.

Online Shipboard Propulsion, Power Electronics, and Ocean Energy by Mukund R. Patel ebook PDF download

Shipboard Propulsion, Power Electronics, and Ocean Energy by Mukund R. Patel Doc

Shipboard Propulsion, Power Electronics, and Ocean Energy by Mukund R. Patel Mobipocket

Shipboard Propulsion, Power Electronics, and Ocean Energy by Mukund R. Patel EPub