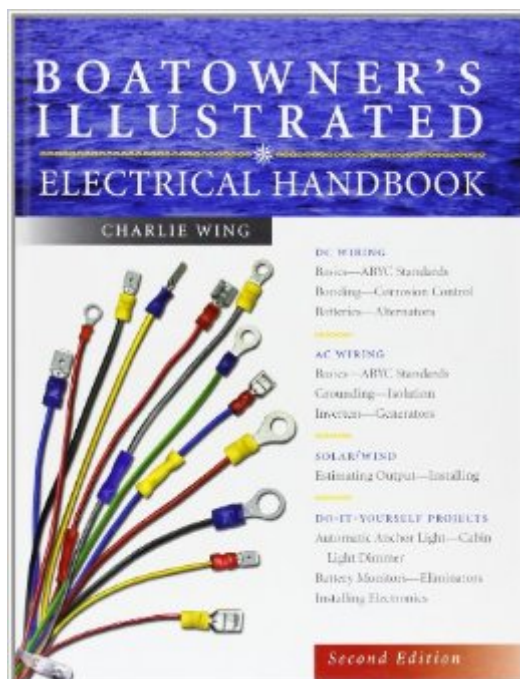


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# Boatowner's Illustrated Electrical Handbook



## Synopsis

Keep your boat's electrical systems running and reliable • Boatowner's Illustrated Electrical Handbook is perfect for learning how your boat's electrical system and much of its equipment works, and it will be an invaluable guide when adding equipment as well. This book needs to be in every boater's library as a ready reference on how to make effective repairs and modifications that comply with ABYC standards. • Ed Sherman, Senior Instructor and Curriculum Designer, American Boat and Yacht Council • A definitive technical book that is easy to read. Buy this book and throw out the rest. • Motorboat & Yachting Whether you take to the sea under power or sail, bounce around the bay in your runabout, or cross oceans in your cruiser, you'll find everything you need to maintain, repair, and upgrade your boat's DC and AC electrical systems with this comprehensive and fully illustrated guide. Tackle onboard electrical projects and learn how to: Meet ABYC standards for both DC and AC wiring Install solar- and wind-power systems Add electrical components Prevent corrosion of your electrical system . . . and more

## Book Information

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Average Customer Review: 4.2 out of 5 stars • See all reviews • (73 customer reviews)

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## Customer Reviews

This is a really impressive book. It provides a really good understanding of the many forces/dynamics of electrical systems on a boat. There is a lot more to 12 volts, than a positive and ground. To my surprise, it's more complex than 120 VAC in my house. At home, for the most part, you use one standard type of wire and have no concerns about your wiring causing any part of your house to corrode. While there is virtually a perfect and repeatable way to wire everything in your

home, surprisingly there isn't a perfect way to do things on your boat, you need to continuously make tradeoffs when you add something new, and it helps to understand the tradeoffs that were already made on your boat by the manufacturer's and prior owner's in making your next modification. Also, at home for the most part, you're not worried about corrosion, while on a boat, the various metals in your boat want to use the water to establish electrical currents that are destructive ... in the very worst case in a matter of days, if not months and years, to metal parts in your boat. This book explains it all very well. Be sure to start from the beginning where it explains what a battery is. I skipped that section initially (I know the chemistry of a battery more than most people), but found it very helpful to read this section, as the following sections establish how the various metals in your boat combine to form their own battery-like behavior where you didn't intend, the result being corrosion.

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