<<电气工程专业英语>>

图书基本信息

书名：<<电气工程专业英语>>

13位ISBN编号：9787121129889

10位ISBN编号：7121129884

出版时间：2011-3

出版时间：电子工业出版社

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页数：168

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内容概要

木书较系统地介绍了电气技术的英文知识点，个节共分为4部分，七要内容包括船舶电气技术领域的22篇英文文章、船用单证、海外操作人员日常用语，以及英文译文、常用词和词组。
木书使用学时为36～48学时，可作为本科、高职相关专业船舶电气方面课程的辅助教材。
内容深入浅山，便于自学，也叮作为工程技术人员和一般读者的自学参考书。

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书籍目录

章节摘录

Load management: Load power monitoring and coordinator of power limitation functions in other systems, load shedding and start interlock of heavy consumers based on available power monitoring.

Distribution management: Confguration and sequence control of reconfiguring the power distribution system. The distribution system should be configured to fit the requirements in the actual operational mode for the vessel. The new generation production vessels and also drill ships/rigs have a complex power system configuration with advanced protection and relaying philosophies. There are close connections between the functional design and performance of the energy control system （power management system） and the power protection system functions. It is a challenge for involved parties to obtain an optimal and functional solution with several suppliers involved and a yard being responsible for all coordination. Blackout of the power generating system is the most severe fault that can happen in an electric propulsion system. Various mechanisms to avoid blackout are linked to the power management system, such as the auto start/stop functions, reduction of propulsion and other loads, or shedding of non-critical loads. Fig. 12-1 illustrates the coordination diagram for a typical installation. Normally, the available power will be controlled within the boundaries for auto start/stop, but if a sudden increase in load, or tripping of a generator set should occur, the available power can be reduced. By monitoring load balance and/or network frequency, the load reduction and load shedding functions will then be activated to reduce the loading and safeguard the power generation until a new generator set is started and connected.

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