ELECTRICAL TECHNOLOGY

This is a guide to the Library’s collection in Electrical Technology. It is not comprehensive, but provides a good starting point for research. From these sources, you may locate other related works. Please don’t hesitate to ask a librarian if you need assistance.

Subject Headings:

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<th>Electric Controllers</th>
<th>Electric Current Converters</th>
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<td>Electric Engineering</td>
<td>Electric Machinery</td>
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Call Numbers for Browsing:

| TK 1-9971 Electrical Engineering | TK 1001-1841 Production of Electric Energy |
| TK 2000-2891 Dynamoelectric Machinery | TK 3001-3521 Distribution of Electric Power |
| TK 4125-4399 Electric Lighting | TK 9900-9971 Electricity for Amateurs |

Databases:

*Applied Science Full-Text (Partial Full-Text)* – Articles on scientific and technical topics such as aeronautics, applied mathematics, automotive engineering, chemical engineering, electrical and electronic engineering, geology, machinery, nuclear engineering, physics, robotics, textile industry, etc. Includes graphs, charts, diagrams, photographs, and illustrations. Part of OmniFile Mega.

*General Reference Center Gold* – General database that searches magazines, newspapers, and reference books for information on current events, business, industry, arts, science, entertainment, sports, and more.

*Oxford Reference Online: Premium Collection* – Over 350 reference works, as well as the full text of numerous titles from the *Oxford Companion* series. In addition to dictionaries, thesauruses, and maps, the reference books cover topics such as literature, the arts and humanities, science and technology, business and economics, quotations, history, law, military science, politics, religion and philosophy medicine, education, etc.

*SIRS* – Provides access to full-text articles and Internet resources on a variety of subjects such as economics, health, history, business, science, literature, the arts, philosophy, film, etc. An excellent source for government information and U.S. Supreme Court decisions. Includes a Pro vs. Con section that discusses multiple views of major issues.

Journals and Periodicals:

- *Bulletin of the Atomic Scientists*  
- *EDN*  
- *Electrical Apparatus*  
- *Electrical Construction and Maintenance (EC&M)*  
- *Electronic Design*  
- *Electronics Now*  
- *IEEE Spectrum*  
- *Nuts & Volts*  
- *Popular Electronics*  
- *Poptronics*  
- *Selected Reference and Circulating Materials:*

Selected Reference and Circulating Materials:

More Selected Reference and Circulating Materials:


Additionally, you may find the **Knovel Books Online** useful. These electronic books are available in full-text through the Library’s homepage.

**Audios and Videos:**

*Applied Electricity* TK 145 .A6 1987 (6 Tapes)

*Basic Electricity* TK 145 .B3 1990

*Electric Motor* TK 2514 .E44 1988

*Electrical Safety in the Workplace* TK 152 .N27d 2006 DVD

*Electricity* TK 2781 .A5 1990

*High Impact Electrical Safety: Life or Death Series* TK 152 .H544

*High Impact Safety Training for Qualified Electrical Workers* TK 152 .H57 2000

*Mike Holt’s Video Guide to Electrical Exam Preparation Electrical Calculations* TK 168 .H658 2004 DVD (8 DVD’s)

*Programmable Logic Controllers* TJ 223 .P76 (7 Tapes)

*Understanding and Applying Electrical Grounding* TK 3227 .U53 2005 DVD

*Working Safely with Electricity* TK 152 .W6 2000

**Selected Internet Sites:**

**IEEE** [http://www.ieee.org](http://www.ieee.org)

**National Fire Protection Association** [http://www.nfpa.org](http://www.nfpa.org)

**National Electrical Contractors Association (NECA)** [http://www.necanet.org](http://www.necanet.org)

**National Electrical Safety Foundation** [http://www.esfi.org](http://www.esfi.org)

**Ask a Scientist Archive – Engineering** [http://www.newton.dep.anl.gov/askasci/engine98.htm](http://www.newton.dep.anl.gov/askasci/engine98.htm)

**Independent Electrical Contractors** [http://www.ieci.org](http://www.ieci.org)

Updated/Revised 03 October 2011 – CAP