



Power and Energy Organizations Innovate with IEEE Information

Whether you're researching distribution, reliability, superconductors, or any other power and energy technology, IEEE is your gateway to the most vital information in the industry today. With the intuitive IEEE *Xplore*® digital library, you'll find the journal articles, conference proceedings, and standards needed to lead energy innovation—and boost your company's bottom line.

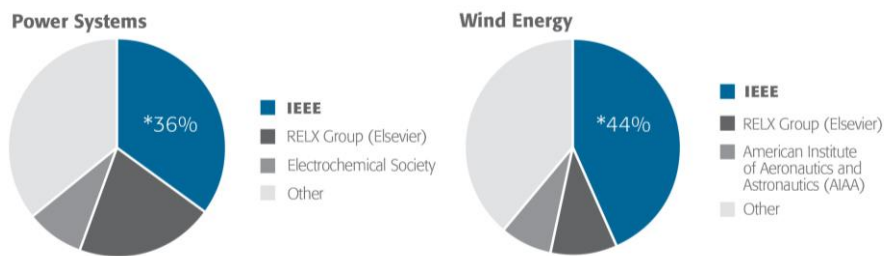
IEEE Information Drives Power and Energy Patents

Today's power and energy corporations deliver new patented technologies at an ever-increasing pace, based on research that is at the forefront of the industry. Organizations like Schneider Electric, Mitsubishi Electric, Emerson Electric, Vestas, and Fortive all cite high proportions of IEEE literature in patents for new technology.

Patent references to IEEE papers have increased 923% since 1997 and recent studies of the top patenting companies show that **IEEE scientific and technical articles are cited over 3 times more often than any other scholarly or commercial publisher.**

IEEE: the Top-Cited Publisher in Power Related Patents

IEEE is the top scientific and technical source with patent citations in:



*Percentage of patent citations 2001–2020
Source: 1790 Analytics LLC, copyright 2021

IEEE Content in Power and Energy Technology

IEEE content remains crucial to the power and energy industry—providing research in a wide variety of topics through the IEEE *Xplore* digital library.

Lithium-Ion	5,400+ documents
Power Distribution	38,300+ documents
Power Generation	160,400+ documents
Renewable/Solar/Wind Energy	139,100+ documents
Climate Change/Global Warming	10,300+ documents
Smart Grid	38,500+ documents
Power Quality	24,600+ documents
Substation/Power/Electrical Grid	89,300+ documents
Power Electronics	132,600+ documents
Fuzzy Systems	38,400+ documents

Counts are accurate as of November 2021

www.ieee.org/innovate

Phone +1 800 701 IEEE (4333) (in the U.S.)
+1 732 981 0060 (worldwide)
Email onlinesupport@ieee.org



3 of the top 5 capital goods companies, and **3 of the top 5** utilities companies subscribe to IEEE *Xplore*.

Source: 2021 Forbes Global 2000 rankings

Who Benefits from IEEE Power & Energy Research?

- Electric Utilities
- Power Equipment Manufacturers
- Process Industries
- Power Economists
- Project Managers
- Consultants
- Research & Development Teams
- Patents & Intellectual Property Groups

Visit the IEEE Smart Grid Portal
<http://smartgrid.ieee.org>



The IEEE Xplore® Digital Library

Find a subscription that's right for you—from tailored journal collections to the entire research catalog—with the IEEE Xplore digital library. Along with journals, magazines, conferences, standards, eBooks, and eLearning, IEEE Xplore delivers:

- The world's most highly cited journals in technology
- More than 5 million full-text documents
- Full-text, searchable PDFs for all documents, and a growing number of HTML documents
- Abstract/citation and bibliographic for subscribed content
- Daily content updates with up to 200,000 articles added each year
- Multiple search options
- Interactive reference linking
- Free email alerts

IEEE Leads Power and Energy Technology

IEEE enables innovation as a leading developer and producer of content across a wide range of industries, from standards to conferences, eBooks, and eLearning courses for aspiring individuals and growing organizations. Below is a sampling of IEEE content.

Journals

- IEEE Transactions on Energy Conversion
- IEEE Journal of Photovoltaics
- IEEE Transactions on Power Delivery
- IEEE Transactions on Power Electronics
- IEEE Power & Energy Magazine
- IEEE Transactions on Power Systems
- IEEE Transactions on Smart Grid
- IEEE Transactions on Sustainable Energy

Conferences

- Annual Conference for Protective Relay Engineers
- IEEE Innovative Smart Grid Technologies Conference
- IEEE International Conference on Power System Technology
- IEEE International Energy Conference
- IEEE International Symposium on Power Line Communications
- IEEE PES General Meeting
- IEEE Photovoltaic Specialists Conference
- IEEE/PES Transmission and Distribution Conference and Exposition
- International Conference on Power Electronics and Drive Systems
- International Conference on the European Energy Market

Standards

- | | |
|----------------|---|
| 80-2000 | IEEE Guide for Safety in AC Substation Grounding |
| 519-1992 | IEEE Recommended Practices and Requirements for Harmonic Control in Electrical Power Systems |
| 1547.2 | IEEE Application Guide for IEEE Std 1547, IEEE Standard for Interconnecting Distributed Resources with Electric Power Systems |
| C37.100-1992 | IEEE Standard Definitions for Power Switchgear |
| 242-2001 | IEEE Recommended Practice for Protection and Coordination of Industrial and Commercial Power Systems |
| 835a-2012 | IEEE Standard Power Cable Ampacity Tables Amendment 1: Revision to Introduction |
| 1159-2009 | IEEE Recommended Practice for Monitoring Electric Power Quality |
| C37.118.1-2011 | IEEE Standard for Synchrophasor Measurements for Power Systems |
| 142-2007 | IEEE Recommended Practice for Grounding of Industrial and Commercial Power Systems |

For more information about content types, please visit www.ieee.org/digitalsubscriptions

Learn which IEEE subscription option is right for your organization.
Visit www.ieee.org/innovate

Phone +1 800 701 IEEE (4333) (in the U.S.)
 +1 732 981 0060 (worldwide)
 Email onlinesupport@ieee.org