



1st ed. 2021, XI, 230 p. 253 illus., 135 illus. in color.

#### Printed book

Hardcover

159,99 € | £139.99 | \$199.99

<sup>[1]</sup>171,19 € (D) | 175,99 € (A) | CHF 189,00

#### eBook

128,39 € | £111.50 | \$149.00

<sup>[2]</sup>128,39 € (D) | 128,39 € (A) | CHF 151,00

Available from your library or  
[springer.com/shop](https://www.springer.com/shop)

#### MyCopy <sup>[3]</sup>

Printed eBook for just

€ | \$ 24.99

[springer.com/mycopy](https://www.springer.com/mycopy)

R. Seyezhai, S. Karuppuchamy, L. Ashok Kumar (Eds.)

# Recent Trends in Renewable Energy Sources and Power Conversion

Select Proceedings of ICRES 2020

Series: Springer Proceedings in Energy

- Presents state of the art of renewable energy sources and their technological advances
- Discusses about various types of renewable energy resources
- Presents the select proceedings of ICRES 2020

This book presents selected papers from the International Conference on Renewable Energy Systems (ICRES 2020). It throws light over the state of the art of renewable energy sources and their technological advances. Renewable energy sources discussed in this book include solar, wind, biomass, fuel cells, hydropower, hydrogen, nuclear, and geothermal. This book comprehensively explains each of these sources, materials associated, technological development, economics and their impact on the environment. As the renewable energy sources are intermittent, they require specific power electronic converter to convert the generated power into useful form that can be used for utility. Hence, this book describes different forms of power converter such as AC-DC, DC-DC, DC-AC and AC-AC. Advanced power semiconductor devices, their gate drive and protection circuits, heat sink design and magnetic components for power converter are the additional topics included in this book. The topics covered in these proceedings will have a large impact among academicians, researchers, policy makers, scientists, practitioners and students in fields of electronics and electrical engineering, energy engineering, automotive engineering, and so on.

Order online at [springer.com](https://www.springer.com) / or for the Americas call (toll free) 1-800-SPRINGER / or email us at: [customerservice@springernature.com](mailto:customerservice@springernature.com). / For outside the Americas call +49 (0) 6221-345-4301 / or email us at: [customerservice@springernature.com](mailto:customerservice@springernature.com).

The first € price and the £ and \$ price are net prices, subject to local VAT. Prices indicated with [1] include VAT for books; the €(D) includes 7% for Germany, the €(A) includes 10% for Austria. Prices indicated with [2] include VAT for electronic products; 19% for Germany, 20% for Austria. All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted. [3] No discount for MyCopy.

