



Abdul Hai Alami

# Mechanical Energy Storage for Renewable and Sustainable Energy Resources

Series: Advances in Science, Technology &amp; Innovation

- Describes storage techniques intuitively, yet based on highly effective approaches
- Includes a wealth of unique ideas/approaches in terms of development and analysis
- Written as a self-contained textbook, with most of the physics and mathematical basis described in early chapters

1st ed. 2020, XXIV, 98 p. 108 illus., 97 illus. in color.

## Printed book

Hardcover

69,99 € | £59.99 | \$84.99

<sup>[1]</sup>74,89 € (D) | 76,99 € (A) | CHF 82,50

## eBook

58,84 € | £47.99 | \$64.99

<sup>[2]</sup>58,84 € (D) | 58,84 € (A) | CHF 66,00

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)

The available literature on energy storage technologies in general, and mechanical energy storage in particular, is lacking in terms of both quantity and quality. This edited volume focuses on novel (yet uncomplicated) ideas that are currently part of the Energy Storage curriculum at the University of Sharjah, UAE. These techniques have been extensively researched and their prototypes are central to the undergraduate Energy Storage Lab that is associated with the course. Although ideally suited for wind energy storage, the techniques described are also suitable for renewable energy storage in general, and offer high two-way efficiency ratings.

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.

