

1. Record Nr.	UNINA9910821490103321
Autore	Dincer Ibrahim <1964->
Titolo	Thermal energy storage : systems and applications // Ibrahim Emir Dincer, Marc A. Rosen
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, 2010
ISBN	1-119-95662-5 1-282-81756-6 9786612817564 0-470-97075-8 0-470-97073-1
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (621 p.)
Altri autori (Persone)	RosenMarc (Marc A.)
Disciplina	621.402/8
Soggetti	Heat storage Mechanical engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Rev. ed. of: Thermal energy storage systems and applications / [edited by] Ibrahim Dincer, and Marc Rosen. c2002. Includes index.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	THERMAL ENERGY STORAGE; Contents; About the Authors; Preface; Acknowledgements; 1 General Introductory Aspects for Thermal Engineering; 2 Energy Storage Systems; 3 Thermal Energy Storage (TES) Methods; 4 Thermal Energy Storage and Environmental Impact; 5 Thermal Energy Storage and Energy Savings; 6 Energy and Exergy Analyses of Thermal Energy Storage Systems; 7 Numerical Modeling and Simulation of Thermal Energy Storage Systems; 8 Thermal Energy Storage Case Studies; 9 Recent Advances in TES Methods, Technologies, and Applications; Appendix A Conversion Factors Appendix B Thermophysical Properties Appendix C Glossary; Index
Sommario/riassunto	The ability of thermal energy storage (TES) systems to facilitate energy savings, renewable energy use and reduce environmental impact has led to a recent resurgence in their interest. The second edition of this book offers up-to-date coverage of recent energy efficient and sustainable technological methods and solutions, covering analysis,

design and performance improvement as well as life-cycle costing and assessment. As well as having significantly revised the book for use as a graduate text, the authors address real-life technical and operational problems, enabling the reader to gain an
