1. Record Nr. UNINA9910789711203321

Autore	Beith R
Titolo	Small and micro combined heat and power (CHP) systems [[electronic resource]] : advanced design, performance, materials and applications / / edited by Robert Beith
Pubbl/distr/stampa	Oxford ; ; Philadelphia, : Woodhead Pub., 2011
ISBN	0-85709-275-8
Edizione	[1st edition]
Descrizione fisica	1 online resource (553 p.)
Collana	Woodhead Publishing series in energy, , 2044-9364 ; ; no. 18
Altri autori (Persone)	BeithRobert
Disciplina	621.199
Soggetti	Cogeneration of electric power and heat
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. Introduction to small and micro combined heat and power (CHP) systems -- pt. 2. Development of small and micro combined heat and power (CHP) systems and technology -- pt. 3. Application of small and micro combined heat and power (CHP) systems.
Sommario/riassunto	Small and micro combined heat and power (CHP) systems are a form of cogeneration technology suitable for domestic and community buildings, commercial establishments and industrial facilities, as well as local heat networks. One of the benefits of using cogeneration plant is a vastly improved energy efficiency: in some cases achieving up to 80-90% systems efficiency, whereas small-scale electricity production is typically at well below 40% efficiency, using the same amount of fuel. This higher efficiency affords users greater energy security and increased long-term sustainability of energy reso