

1. Record Nr.	UNINA9911004854403321
Autore	Agrawal Basant
Titolo	Building integrated photovoltaic thermal systems : for sustainable developments / / Basant Agrawal and G. N. Tiwari
Pubbl/distr/stampa	Cambridge [England], : RSC Pub., c2011
ISBN	9781621981701 1621981703 9781849732000 1849732000
Edizione	[1st ed.]
Descrizione fisica	1 online resource (455 p.)
Collana	Energy series, , 1757-6741 ; ; 4
Altri autori (Persone)	TiwariG. N
Disciplina	621.31244
Soggetti	Building-integrated photovoltaic systems
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	9781849730907_publicity; i_iv; v_vi; vii_xvi; xvii_xviii; xix_xx; 001_049; 050_102; 103_127; 128_169; 170_219; 220_267; 268_297; 298_310; 311_360; 361_399; 400_416; 417_434
Sommario/riassunto	Solar photovoltaics is one of the most promising renewable energy technologies, producing electricity on site directly from the solar radiation without harming the environment and depletion of materials. The Building Integrated Photovoltaic Thermal (BIPVT) system is a technology which merges PV and thermal systems, simultaneously providing both electric and thermal energy. Through this combination more energy is generated per unit surface area in comparison to the standalone photovoltaics system. Benefits of the BIPVT system include significantly increased electrical performance, faster paybac