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Descrizione fisica	1 online resource (89 pages) : illustrations (some color), graphs
Collana	Green Energy and Technology, , 1865-3529
Disciplina	690.8370472
Soggetti	Buildings—Design and construction Building Construction Engineering, Architectural Sustainable development Energy consumption Building construction Building Construction and Design Sustainable Development Energy Efficiency Building Physics, HVAC
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	State of the Art and BIPV Concept -- BIPV Architectural Systems -- Case Studies -- Conclusion.
Sommario/riassunto	This book describes exemplary selected projects carried out in the Trentino-Alto Adige region (Italy) exploring numerous building-integrated photovoltaics (BIPV) systems (i.e. modules, construction system, energy systems). It presents 18 case studies analyzing three aspects of PV integration: aesthetic, energy and technology, with information on decision-making, design process and lessons learnt given for each, along with several pictures, including of general system and architectural details. Based on interviews with architects and engineers, experts from façade/glass manufacturers, energy

consultants, BIPV experts, PV installers, electricians, private and public building owners and real estate companies, the book provides a source of inspiration and technical knowledge for architects and engineers towards an increased use of PV in architecture.
