Record Nr. UNINA9910746992303321 Autore Vahidi Behrooz Titolo Principles and Modeling of the Power Transformers / / by Behrooz Vahidi, Ramezan Ali Naghizadeh Singapore:,: Springer Nature Singapore:,: Imprint: Springer,, 2023 Pubbl/distr/stampa 981-9957-96-6 **ISBN** Edizione [1st ed. 2023.] Descrizione fisica 1 online resource (142 pages) Collana Energy Systems in Electrical Engineering, , 2199-8590 Altri autori (Persone) NaghizadehRamezan Ali 621.381044 Disciplina Soggetti Power electronics Electric power production Electric power distribution Electric machinery **Power Electronics** Electrical Power Engineering **Energy Grids and Networks Electrical Machines** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Introduction to Power Cables, - Power Transformers Construction, -Different Types of Transformers, Connections, Protections and Remaining Life -- Transformer Core Modeling -- Low- and Mid-Frequency Modeling of Transformers -- High-Frequency Modeling of Power Transformers. This book describes many aspects of power transformers. And it mainly Sommario/riassunto provides valuable knowledges such as two deals with power transformer construction, different types of transformers and connections, power transformer core modelling, and the low-frequency and mid-frequency modelling of transformers. Moreover, it also introduces a new method for high-frequency modelling of transformer which can attract many students learning the power transformer research field. The goal of this book is to educate the postgraduate

students and engineers about principals and modeling of the

transformers.