

1. Record Nr.	UNINA9910554233403321
Autore	Gurevich Vladimir <1956->
Titolo	Protecting electrical equipment : new practices for preventing high altitude electromagnetic pulse impacts / / Vladimir Gurevich
Pubbl/distr/stampa	Berlin ; ; Boston : , : De Gruyter, , [2021] Â©2021
ISBN	1-5231-5317-2 3-11-072314-X
Descrizione fisica	1 online resource (216 pages)
Disciplina	623.4
Soggetti	Electromagnetic pulse Electric power systems - Protection
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Frontmatter -- Annotation -- Preface -- Contents -- 1 Everybody understands everything... -- 2 Cybernetic and electromagnetic impacts on electronic equipment: do they have anything in common? -- 3 New developments in protection of power transformers against HEMP -- 4 New developments in the protection of diesel generators from electromagnetic pulses (HEMP) -- 5 HEMP protection of electronic equipment located in control cabinets -- 6 HEMP protection strategy for power system's electronic equipment -- 7 Selection of LC filters to ensure HEMP protection of electronic equipment -- 8 Research shielding effectiveness of an elastic shield made of conductive fabric to ensure HEMP protection of electronic equipment -- 9 Resilience of digital protection relay's power supplies to powerful nanosecond pulses -- 10 Comparative tests of voltage suppressors for the protection of electronics against high-altitude electromagnetic pulses (HEMP) -- 11 The problems of testing HEMP resilience of electronic equipment -- 12 A special HEMP-resilient protection and automation devices -- Index
Sommario/riassunto	How do you protect electrical systems from high energy electromagnetic pulses? This book completes the overview of systems and practices against EMPs from high altitude sources started with the previous "Protecting Electrical Equipment - Good Practices for

preventing high altitude electromagnetic pulse impacts", including practical protection methods and means for evaluating their effectiveness.
