

Gutor Awards & Compliances

Qualification

Gutor Electronics has substantial experience in testing and analyzing our products for compliances with nuclear industry standards, including environmental, seismic, and EMC qualifications.

Firmware quality and qualification






Our system firmware has a proven track record of faultless performance. In addition to compliance certification for IEC nuclear standards, our firmware has also been approved under software standards and guidelines, such as CSA® N290.14 in Canada, and EPRI 106439/107339 in the USA.

International Standards

Gutor UPS systems comply with all relevant international standards. They also meet the requirements of the widely recognized IEEE and IEC standards specific to nuclear power plants.

Quality Assurance

- ISO 9001:2008
- OHSAS 18001:2007
- KTA1401
- CSA N299.2, **CANPAC Audited**
- 10 CFR 50 Appendix B, **NUPIC Audited**
- ASME NQA-1 1994/2008
- IAEA 50-C-Q

	General IEC UPS standards	Keywords
	IEC-62040-1	General and safety
	IEC-62040-2	EMC
	IEC-62040-3	Testing and performance
	IEC-60950-1	ITE Safety
	IEC-60146-1	Semiconductor converters
	IEC-60146-2	Inverters
	IEC-61439	Switchgear assemblies
IEC standards specific to nuclear power plants		
	IEC-60780	Electrical equipment, qualification
	IEC-60880	Software for computers important to safety
	IEC-60980	Seismic qualification
	IEC-61225	Electrical supply systems
General IEEE UPS standards		
	IEEE-944	Application and testing
IEEE standards specific to nuclear power plants		
	IEEE-323	Class 1E equipment, qualification
	IEEE-344	Seismic qualification
	IEEE-650	Chargers and inverters, qualification
General NEMA UPS standards		
	PE 1	General and performance testing
	PE 5	Battery chargers
General UL UPS standards		
	UL 1778	Safety
GOST Nuclear power plant standards		
	PNAE G-9-027-91	Design, emergency power systems
	PNAE G-5-006-87	Design, seismic resistance
General RCC UPS standards		
	RCC-E	Design and conception rules