Gutor Awards & Compliances

Qualification

Gutor 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

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

	General IEC UPS Standards	Keywords
IEC	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	IEEE-323	Class 1E equipment, qualification
	IEEE-344	Seismic qualification
	IEEE-650	Chargers and inverters, qualification
	General NEMA UPS standards	
NEMA	PE 1	General and performance testing
	PE 5	Battery chargers
	General UL UPS standards	
UL	UL 1778	Safety
	GOST Nuclear power plant standards	
PG	PNAE G-9-027-91	Design, emergency power systems
	PNAE G-5-006-87	Design, seismic resistence
	General RCC UPS standards	
	RCC-E	Design and conception rules