

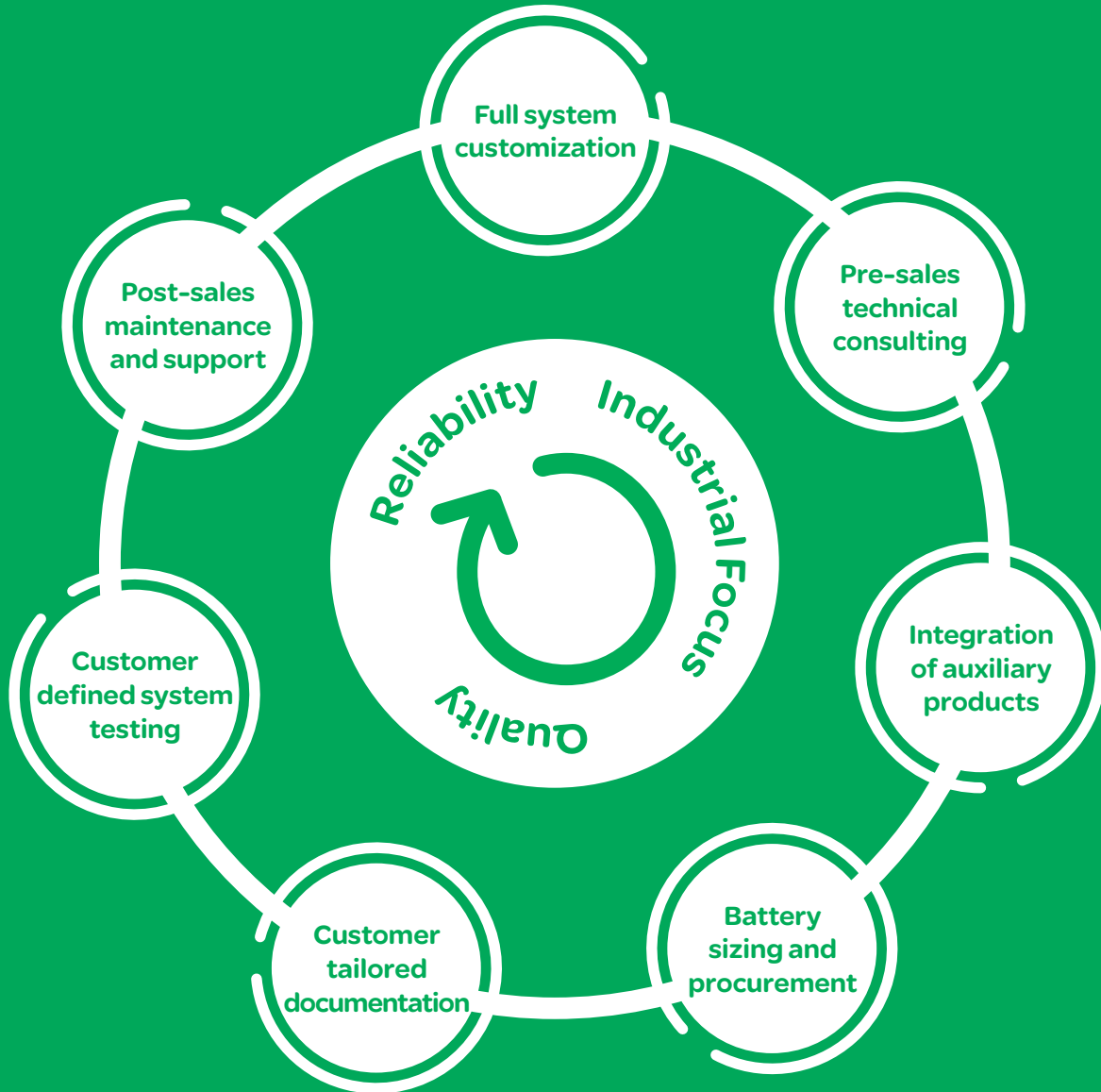
Gutor PxW AC UPS System

PEW 5 – 200 kVA single phase
PDW 10 – 220 kVA three phase
Higher ratings on request



- > Proven reliability and flexibility to meet the most challenging requirements
- > Unparalleled experience, with vast number of systems running worldwide
- > Designed to operate in the harshest environmental conditions
- > Approved for Nuclear Power Plants (NPP)

The Schneider Electric solution approach



Key features and application areas:

Industrial design

- > Robust mechanical design (vertical and horizontal acceleration stress up to 0.5 g, with higher seismic designs available upon request)
- > Designed to withstand harsh environmental conditions (e.g., temperature, humidity, altitude, EMC)
- > Built-in galvanic isolation
- > High fault-clearing capability

Customized to meet your requirements

- > Broad range of voltages (input, output, DC bus) and power ratings available
- > Selectable ingress protection (IP)
- > Customer-defined test procedures and documentation
- > Selectable DC bus voltage for linking to DC bus bars
- > Accommodates a wide spectrum of battery runtimes (over 12 hours possible)
- > Easy integration of auxiliary components

Proven reliability

- > Best-in-class mean time between failures (MTBF)
- > Long product lifetime with minimal servicing required
- > Over 20,000 systems installed worldwide with excellent quality record
- > Systems can be paralalled for increased redundancy

Qualified for operation in Nuclear Power Plants (NPP)

- > Successfully tested under extreme environmental conditions
- > Firmware certified by TÜV according to IEC 60880
- > Seismic-qualified design
- > Installed in over 100 nuclear power plants worldwide

Interface and communication

- > Communication via modbus, TCP/IP, IEC 61850
- > Web interface for remote monitoring
- > Configurable alarms and meters
- > User configurable alarms and meters



Application Areas

- > Nuclear Industry
- > Oil & Gas
- > Energy & Power-Generation
- > Chemical Industry
- > Industrial Process Control
- > All Industrial Applications
- > All Off Shore Applications

“Our mission is to supply custom-engineered, high-quality solutions and services to secure the electrical power supply in your critical industrial applications.”

Technical information

Technical Specifications: General Data

Type	Gutor PEW single phase	Gutor PDW three phase
Ratings	5 – 200 kVA (others on request)	10 – 220 kVA (others on request)
Operating temperature	-10 to +40 °C (max. 55 °C on request)	
Allowable air humidity	<95 % (non condensing)	
Noise level	60 – 75 dBA (depending on rating)	
Communication	Modbus TCP/IP, IEC® 61850 (others on request)	
Input		
Rectifier	6-pulse thyristor bridge (12-pulse on request)	
Voltage	3x380/400/415 V (other voltages on request)	
Voltage tolerance	+10/ -15 %	
Battery circuit		
Nominal voltage	110/125/220/400 VDC	
Applicable batteries	Lead Acid, Nickel Cadmium	
Output		
Voltage	220/230/240 V (others on request)	380/400/415 V (others on request)
Tolerance (static)	+/- 1 %	
Frequency accuracy	<0.01 %	
Efficiency	Up to 93 % (depending on configuration)	
Distortion	linear load: <3 % / non-linear load: <5 %	
Overload inverter	200 % / 50–100 ms, 150 % / 1 min., 125 % / 10 min.	
Overload bypass	1,000 % / 100 ms	

Standards

ISO 9001	Quality system
IEC 62040-1	Uninterruptible Power Supply (UPS) general and safety requirements
IEC 62040-2	Uninterruptible Power Supply (UPS) EMC requirements
IEC 62040-3	Uninterruptible Power Supply (UPS) method of specifying performance and tests
IEC 60529	Degrees of protection provided by enclosures (IP Code)
IEC 60629	Low-voltage fuses
IEC 60079	Power transformers
IEC 60950	Safety of information technology equipment
IEC 60439	Low-voltage switch gear and control gear assemblies

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