



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)

GUTOR

by **Schneider Electric**

Key features and application areas

Industrial design

- > Robust mechanical design (vertical and horizontal acceleration stress up to 0.5g)
- > Designed to withstand harsh environmental conditions (temperature, humidity, altitude, EMC)
- > Built-in galvanic isolation
- > High fault-clearing capability

Customized to meet specific 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
- > Can accommodate a wide spectrum of battery runtimes (over 12 hours possible)
- > 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 paralleled 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

> «Our mission is to supply customized, engineered, high quality solutions and services to secure electrical power supply in critical industrial applications.»



Oil & Gas



Energy & Power-Generation



Mining



Water Treatment & Desalination



Transport



Chemical Industry



Industrial Process Control



All Industrial Applications

Technical information

Technical specifications

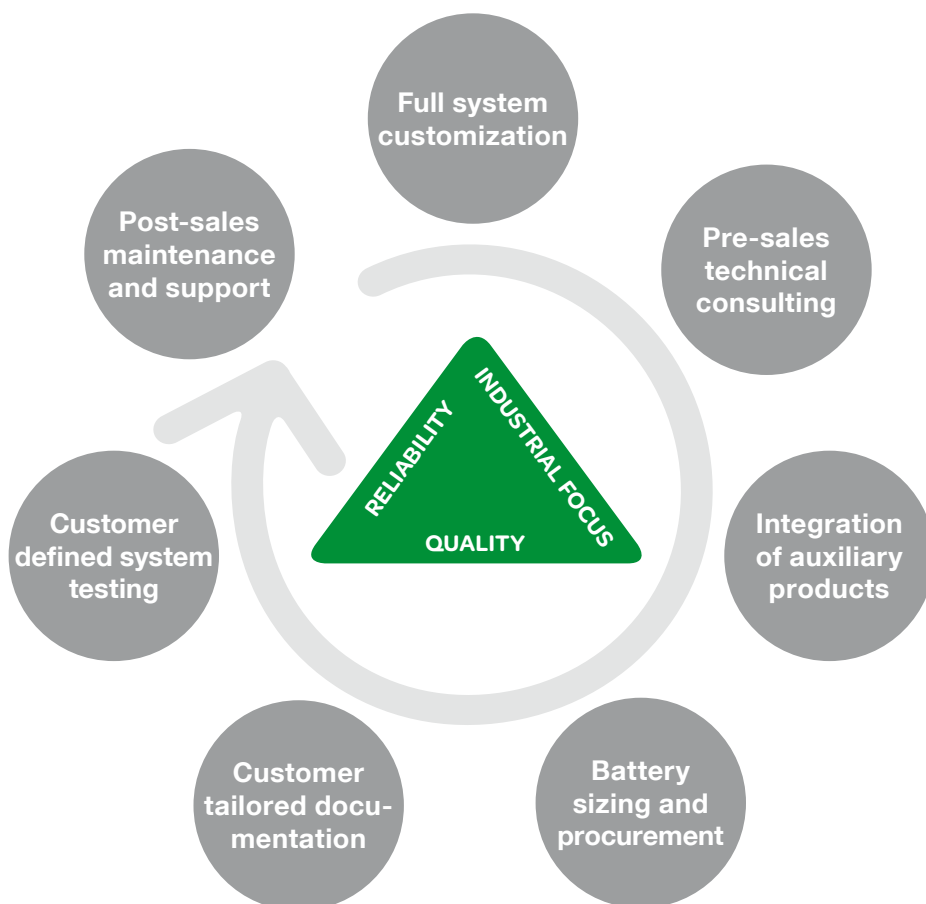
General data

Type	PEW single phase	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	3 x 380/400/415V (other voltages on request)	
Voltage tolerance	+10/ -15 %	
Battery circuit		
Nominal voltage	110/125/220/400VDC	
Applicable batteries	Lead Acid, Nickel Cadmium	
Output		
Voltage	220/230/240V (others on request)	380/400/415V (others on request)
Tolerance (static)	+/- 1 %	
Frequency accuracy	<0.01 %	
Efficiency	Up to 93 % (depending on configuration)	
Distortion	linear load: <2 % / non-linear load: <5 %	
Overload inverter	200 % / 50–100 ms, 150 % / 1 min, 125 % / 10 min	
Overload bypass	1000 % / 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

Gutor solution approach



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