



PXP AC UPS System

- > PXP 1000 5–160 kVA single phase
- > PXP 3000 5–160 kVA three phase

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is becoming

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Electric



- > Low input harmonics
- > Increased efficiency
- > Reduced footprint
- > Flexible design
- > World-class reliability

GUTOR

by **Schneider** Electric

Key features and application areas



Reliability

- > Platform with large installed base and many years of proven field reliability
- > Decentralized control architecture for increased reliability
- > Redundant and individually monitored fans

Footprint

- > Smallest footprint on the market among industrial UPS systems
- > For applications with limited available space

Low THDi

- > PFC rectifier dramatically reduces input harmonics (<5% THDi), minimizing distortion to upstream equipment

Industrial design

- > Robust mechanical design (vertical and horizontal acceleration stress up to 0.5g)
- > Electrically and physically integrated galvanic isolation (input and output) as standard
- > Designed to withstand harsh environmental conditions (temperature, altitude, humidity, EMC)

Transformerless option

- > Optional transformerless configuration available
- > Reduction in footprint, weight and cost
- > Increased efficiency with equivalent performance

Interface and communication

- > Freely programmable alarms and meters
- > Communication via Modbus, TCP/IP, IEC 61850, RS485
- > Web interface for remote monitoring

Energy efficiency

- > Up to 94% efficiency using state of the art semiconductor technology (IGBT)
- > PFC rectifier means no oversizing of diesel generator is required



Oil & Gas



Energy & Power-Generation



Mining



Water Treatment & Desalination



Transport



Chemical Industry



Industrial Process Control



All Industrial Applications

Technical information

Technical specifications

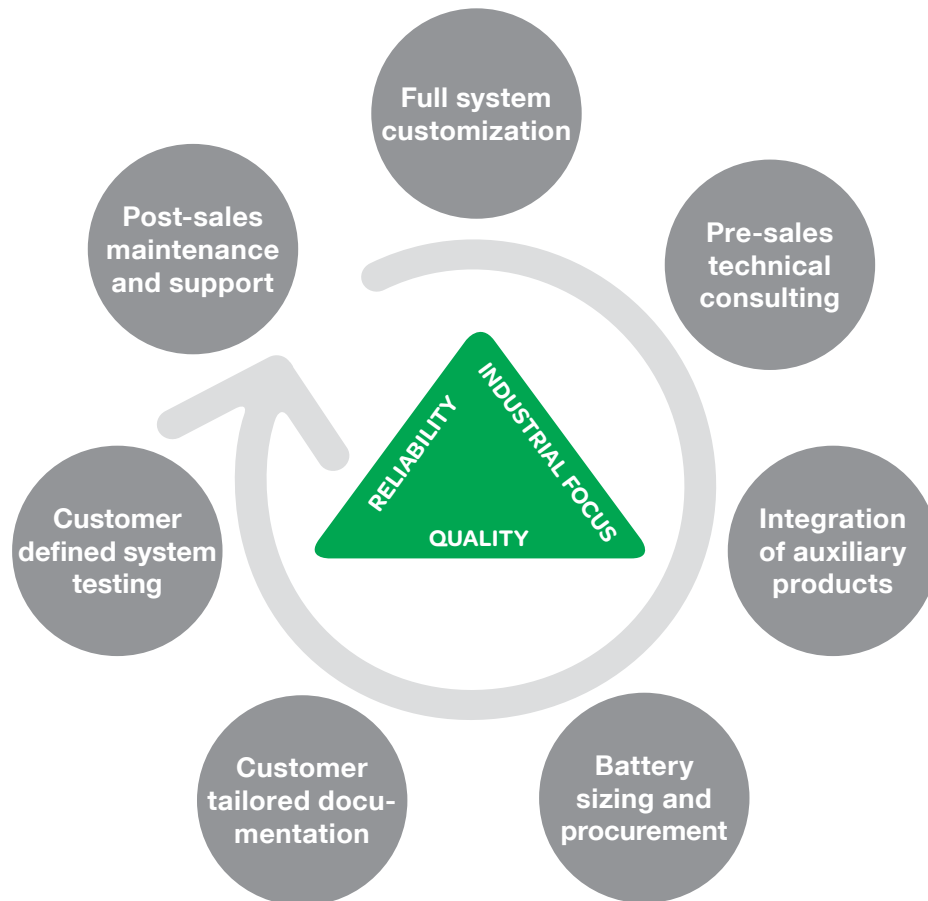
General data

Type	PXP 1000 single phase	PXP 3000 three phase
Ratings	5, 10, 15, 20, 30, 40, 50, 60, 80, 100, 120, 140, 160 kVA	
Operating temperature	-10 to +40 °C (max. 55 °C on request)	
Allowable air humidity	< 95 % (non condensing)	
Noise level	55–65 dBA (depending on rating)	
Communication	Modbus, RS-232 / 485, Ethernet	
Altitude above sea level	< 1000 m without load de-rating	
Input		
Rectifier	PFC technology (less than 5 % distortion back to line power)	
Voltage	3x380/400/415V (other voltages on request)	
Voltage tolerance	-10/ +15 %	
Battery circuit		
Nominal voltage	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 94 % (depending on configuration)	
Distortion	linear load: <2 % / non-linear load: <5 %	
Overload inverter	230 % / 60 ms, 150 % / 1 min, 125 % / 10 min	
Overload bypass	1000 % / 100 ms, 150 % / 1 min, 125 % / 10 min	

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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