



# PXP AC UPS System

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



- > 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

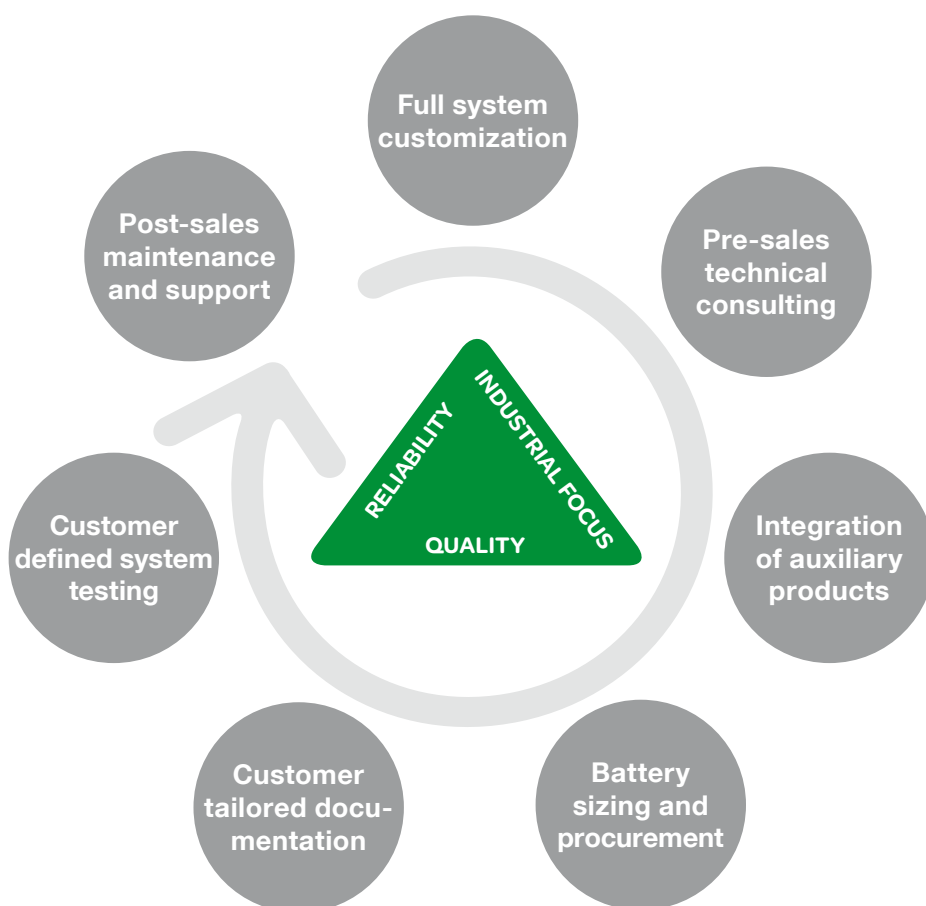
### General data

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	
<b>Input</b>		
Rectifier	PFC technology (less than 5 % distortion back to line power)	
Voltage	3x380/400/415V (other voltages on request)	
Voltage tolerance	-10/ +15 %	
<b>Battery circuit</b>		
Nominal voltage	400VDC	
Applicable batteries	Lead Acid, Nickel Cadmium	
<b>Output</b>		
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

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

# Gutor solution approach



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