

# Technical information

## Technical Specifications: General Data

Type	Gutor PXP 1000 single phase	Gutor 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, Profibus®, IEC® 61850	
Altitude above sea level	< 1,000m without load de-rating	
<b>Input</b>		
Rectifier	PFC technology (less than 5 % distortion back to line power)	
Voltage	3 x 380/400/ 415 V (other voltages on request)	
Voltage tolerance	-10/+15 %	
<b>Battery circuit</b>		
Nominal voltage	400 VDC	
Applicable batteries	Lead Acid, Nickel Cadmium	
<b>Output</b>		
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 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	1,000 % / 100 ms, 150 % / 1 min., 125 % / 10 min.	

## Standards

Standard	Description
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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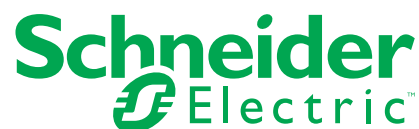
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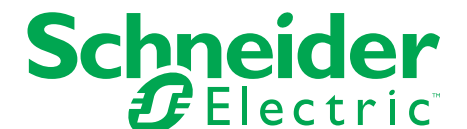
# Gutor PXP AC UPS System

PXP 1000 5 – 160 kVA single phase

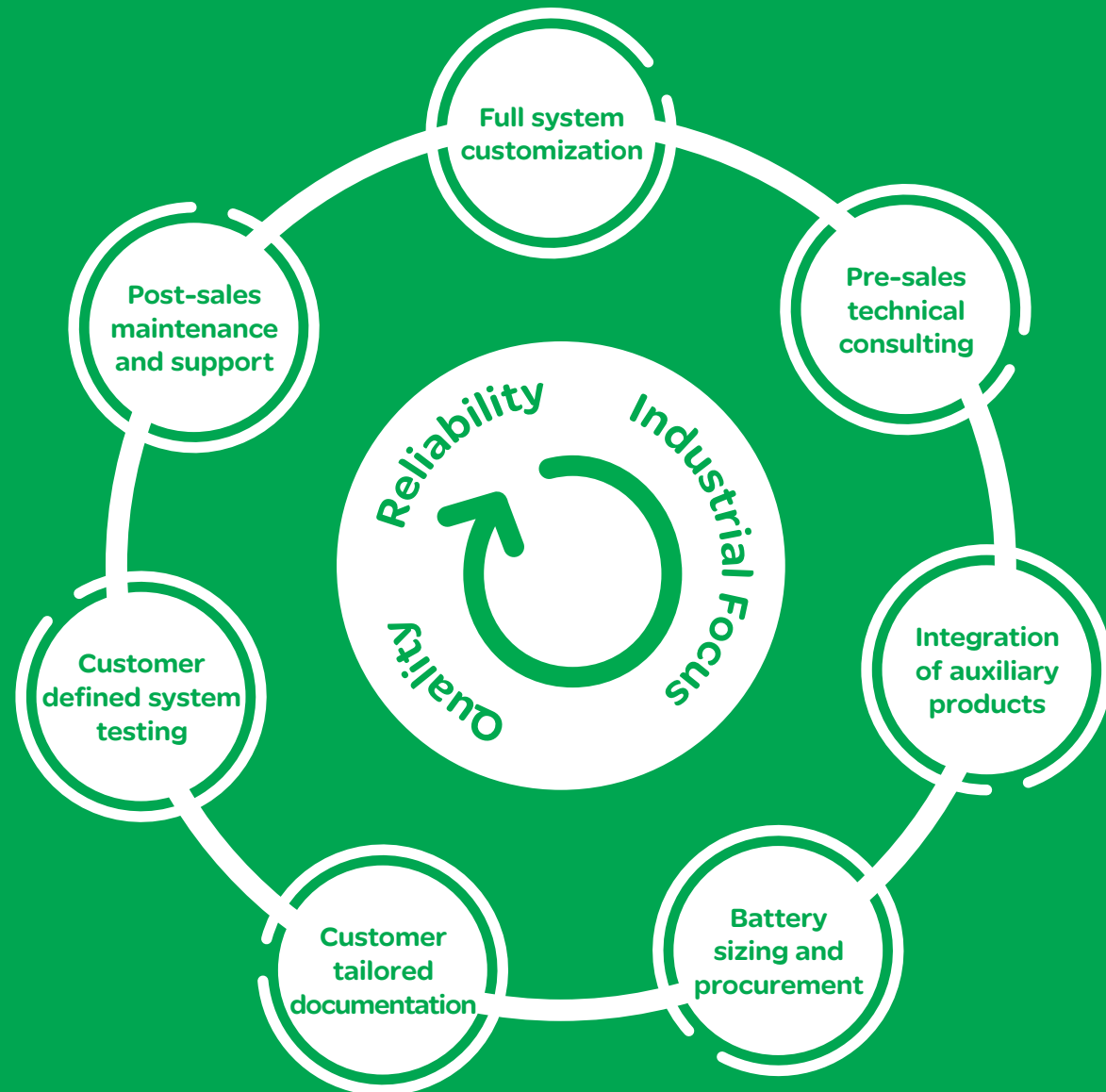
PXP 3000 5 – 160 kVA three phase



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



# The Schneider Electric solution approach



# Key features and application areas

## Reliability

- > Large installed base - 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
- > Suitable for applications with limited available space

## Low THDi

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

## Industrial design

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

## 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 percent efficient due to state-of-the-art semiconductor technology (insulated gate bipolar transistor)
- > PFC rectifier eliminates oversizing of diesel generator



- ★ Application Areas**
- > Oil & Gas
  - > Energy & Power-Generation
  - > Mining
  - > Water Treatment & Desalination
  - > Transport
  - > Chemical Industry
  - > Industrial Process Control
  - > All Industrial Applications