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

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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 0.5 g)
> 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

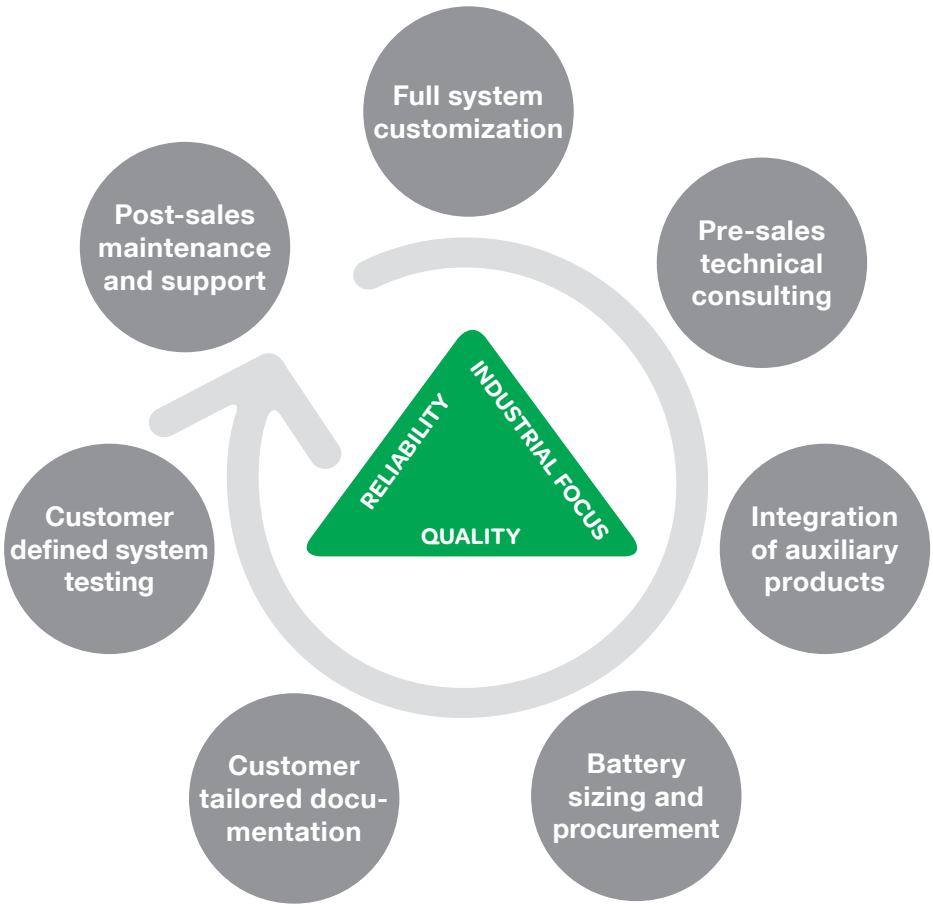
General data

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	3 x 380 / 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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