ИБП Gutor PXC - брошюра на продукцию. Юниджет

Постоянная ссылка на страницу: https://www.uni-jet.com/catalog/ibp/on-line-ibp/gutor-pxc/

Industrial UPS engineering simplified

Gutor PXC AC UPS

Life Is On Schneider Electric

Gutor technology

The first pre-engineered full industrial Gutor UPS for harsh environments.

PXC 1010 — 80 kVA single phase
PXC 3010 — 80 kVA three phase

High class pre-engineered solution

The Gutor™ PXC industrial UPS system is designed for industrial segments to meet applications in harsh environments (e.g., high temperature, dust, seismic and vibration areas, or uncontrolled switch gear rooms). The robust UPS system is built into a Schneider Electric™ industrial low-voltage switchgear cabinet, the Sarel Spacial SF.

The compact Gutor PXC works effortlessly with your facility monitoring systems and offers full and clear industrial design, standard high protection class (IP 42), as well as seismic design for 1 g and a wide temperature range from -10 °C up to 55 °C. With full-front service access and back-to-the-wall installation, the Gutor PXC is one of the easiest UPSs in its class to deploy, install, and maintain. Different from other Gutor UPS systems, this offer has been standardized for very short delivery time.

Application areas

- Oil & Gas
- Energy & Power Generation
- Mining
- Water Treatment & Desalination
- Transport
- Chemical Industry
- Industrial Process Control
- Industrial Applications

schneider-electric.com/gutor

High class pre-engineered solution (cont.)

Gutor PXC (CTO) vs. Gutor PXP (ETO)

Keeping the expected Gutor UPS system performance and support by getting a pre-engineered solution.

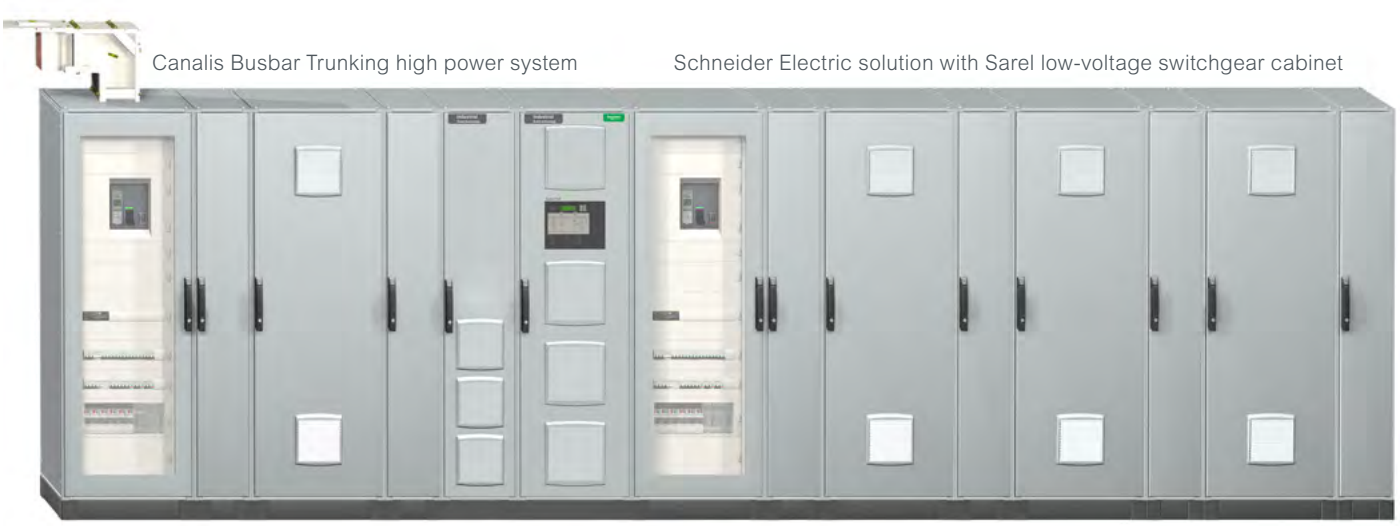
Fully industrial design engineered to order (ETO) customer-tailored documentation integration of auxiliary products fully industrial design customized to order (CTO) standardized documentation options available

Gutor PXC available options

- Galvanic isolation transformer
  - Rectifier input
  - Inverter output
  - Bypass input
- Communication interfaces
  - 2nd NMC-Card
  - IEC61850
- Top cable entry with auxiliary cabinet
- 10 – 12 years VRLA Batteries in cabinet with same design for 30-min and 60-min back up time
- Battery protection: External Battery MCCB Box

UPS rating	Basic frame	Transformers Additional cabinet left	Transformers Additional cabinet right	Top Cable entry/ parallel redundancy Additional cabinet right	Complete system with options Transformer and/or top entry
10 kVA/8 kW 20 kVA/16 kW 40 kVA/32 kW	600 mm	Embedded up to 2	3 transformers or bypass transformer with parallel system; additional 400 mm	+ 400 mm (not needed if third transformer is selected)	600 + 400 mm
50 kVA/40 kW 60 kVA/48 kW 80 kVA/74 kW	600 mm	Up to 2 with additional 400 mm left side cabinet	3 transformers or bypass transformer with parallel system; additional 600 mm	+ 400 mm (not needed if third transformer is selected)	400 + 600 + 600 mm 400 + 600 + 400 mm

Key features and application areas



Canalis Busbar Trunking high power system

Schneider Electric solution with Sarel low-voltage switchgear cabinet

Prisma main distribution

Gutor PXC UPS system incl. battery cabinet and UPS distribution

Invensys automation systems

Schneider Electric solution

Gutor PXC with its standardized industrial design and compact footprint could be fully integrated as a part of the Schneider Electric solution.

Reliability

- More than 50 years of experience in heavy industrial UPS solutions
- Based on the Gutor PXP with many years of proven field reliability
- Decentralized control architecture for increased reliability
- Redundant and individually monitored fans
- 20-year design life

Footprint

- Smallest footprint on the market among industrial UPS
- Suitable for applications with limited available space

Low THDi

- Excellent power conditioning, very low harmonic distortion, input power factor correction, and high efficiency

Industrial design

- Robust mechanical design (vertical- and horizontal-acceleration stress 1 g)
- Electrically and physically integrated galvanic isolation (input and output) available as an option
- Designed to withstand harsh environmental conditions (temperature, altitude, humidity, electromagnetic compatibility, Standard protection degree IP42)

Transformerless configuration

- Transformerless configuration as standard
- Reduction in footprint, weight, and cost
- Increased efficiency with equivalent performance

Interface and communication

- Communication via modbus, TCP/IP, IEC 61850, RS485
- Web interface for remote monitoring

Energy efficiency

- Up to 94 per cent efficient due to state-of-the-art semiconductor technology (insulated gate bipolar transistor)
- PFC rectifier eliminates oversizing of diesel generator
- All classical batteries, VRLA, Vented, NiCd battery offer with short/long back-up times and different charging modes

Technical information

Technical specifications: General data

Type	Gutor PXC 1000 single phase	Gutor PXC 3000 three phase
Ratings	10, 20, 30, 40, 50, 60, 80 kVA	
Operating temperature	-10 to 40 °C (100% nominal load), >60 °C, max. 55 °C with de-rating	
Allowable air humidity	< 95% (noncondensing)	
Noise level	55 – 65 dBA (depending on rating)	
Communication	NMC for Web-browser-based monitoring including modbus RTU and modbus TCP	
Altitude above sea level	< 1,000 m without load de-rating	
Input		
Rectifier	PFC rectifier (supplies 100% AC load @ 0.8 PF and charges battery with 20% of nominal power)	
Voltage	3 x 380/400/415 V	
Voltage tolerance	-10/+15%	
Battery circuit		
Nominal voltage	400 VDC	
Applicable batteries	Lead Acid, Nickel Cadmium	
Output		
Voltage	220/230/240 V	380/400/415 V
Tolerance (static)	+/- 1%	
Frequency accuracy	<0.01%	
Efficiency	Up to 94% (depending on configuration)	
Distortion	linear load: <2%/nonlinear 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.	
Paint	light gray, RAL 7035 structure	

Dimensions

10-40 kVA UPS (H x W x D)	2100 x 600 x 800 mm (with no or 2 transformers)
10-40 kVA UPS (H x W x D)	2100 x 1000 x 800 mm (with 3 transformers)
50-80 kVA UPS (H x W x D)	2100 x 600 x 800 mm (with no transformers), 2100 x 1000 x 800 mm (with 2 transformers)
50-80 kVA UPS (H x W x D)	2100 x 1600 x 800 mm (with 3 transformers)

Standards

ISO 9001	Quality system
IEC 62040-1	UPS general and safety requirements
IEC 62040-2	UPS EMC requirements
IEC 62040-3	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