

Life Is On

**Schneider**  
Electric



**GUTOR™**  
by Schneider Electric

# Industrial UPS engineering simplified

## Gutor PXC

Gutor™ PXC is the first pre-engineered industrial UPS in its class designed to meet the requirements of both light and heavy industrial applications. Gutor PXC provides superior performance, protection, quality, ease of installation, and maintenance, while being unmatched for the shortest lead times in the industry.

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# The first high-performance, pre-engineered, versatile industrial UPS with short lead time

## High performance

- Compact footprint
- High efficiency: Up to 93% in double conversion mode, up to 99% in ECO mode
- Unity output power factor
- Wide operating temperature from 14 °F to 131 °F (-10 °C to 55 °C)
- Highly reliable and robust design based on traditional Gutor Industrial UPS system (15+ years design life) for low total cost of ownership
- Robust industrial switchgear cabinet with dust filters provides superior IP42/UL Type 1 protection standard
- 65 kA rated short-circuit current Icc
- Excellent power conditioning and very low harmonic distortion
- Internal backfeed protection
- Wide input voltage range
- High overload capability
- High battery recharging power
- Network management card AP9635 ships standard with Ethernet IP, Modbus RS-485 and Modbus TCP, and IPv6 and out-of-band management support. Additional smart-slot available.
- Battery cold start without additional equipment
- Deep discharge protection
- PCBA conformal coated against moisture, dust, and chemicals

## Pre-engineered

- Standardized engineering without compromise on performance to save on overall engineering solution cost
  - From fully customized engineering design to meet unique heavy industrial customer needs to standardized engineering design with easy add-on option kits to meet the requirements of both light and heavy industrial customers
  - Savings on overall industrial solution by reducing customized engineering design time and customized engineering documentation
- Low mean time to repair due to full front access servicing and internal modular design (power modules and fans)
- Compatible with diesel generators to ensure clean, uninterrupted power to critical equipment when generator power is used



# Gutor PXC



## Versatile

- Gutor PXC standard design meets the requirements of light industrial applications, as well as the requirements of heavy industrial applications with easy add-on performance upgrade kits
  - Healthcare
  - Pharmaceutical
  - Mining
  - Transportation
  - Water & Wastewater
  - Power Generation
  - Micro-electronics & Semiconductor
  - Manufacturing
  - Oil & Gas
  - Food & Beverage
  - Industrial Process
- Protection rating is easily and quickly upgraded in the field to IP54/NEMA Type 12 by replacing the standard dust filters with IP54/NEMA Type 12-rated dust filters. All IP54/NEMA Type 12 dust filters required for all the UPS air vents are available in one kit
- Seismic and vibration protection is also quickly upgraded in the field by installing OSHPD seismic kit onto the standard UPS design

## Short lead time

- Transformerless-based UPS configurations and kits are stocked in distribution center for less than two weeks lead time
- Transformer-based UPS configurations have less than four weeks lead time

## Available options

- Galvanic isolation transformers
  - Rectifier input: 480/208 V and 600/208 V
  - Bypass input: 480/208 V and 600/208 V
- Top cable entry cabinet for 25/37.5/50 kVA UPS (bottom cable entry as standard); top and bottom cable entry available as standard for 75/100 kVA UPS
- Five-year valve regulated lead acid batteries in cabinet with design matching UPS cabinet
  - Multiple backup times available
  - Vented lead acid and nickel cadmium batteries available on request
- Battery MCCB box to protect external batteries
- Second network management card
- UL924 emergency lighting
- IP54/NEMA Type 12 Dust Filters Kit to upgrade UPS enclosure protection rating to IP54/NEMA Type 12
- Seismic kit



## Technical specifications/general data

UPS input	
Rectifier input voltage	3 x 208 V; 3 x 220 V
Rectifier input voltage tolerance	-10%/+10%
Rectifier input frequency	55 – 65 Hz
Rectifier current total harmonic distortion	< 5% at 100% load
Rectifier input power factor	typically 0.98 – 0.99
Bypass input voltage	3 x 208 V +/-10%; 3 x 220 V +/-10%
Bypass input frequency	60 Hz +/-8%

Battery circuit	
Battery voltage	384 V
Battery type	Valve regulated lead acid (standard battery cabinet offer) Vented lead acid and nickel cadmium as configurable options (nonstandard)

UPS output	
Nominal UPS rating at 1.0 PF	25, 37.5, 50, 75, 100 kVA
Output voltage	3 x 208 V; 3 x 220 V
Voltage tolerance (static)	+/-1%
Overload	Inverter: 230% for 60 ms; 150% for 1 mn; 125% for 10 mn Bypass: 1,000% for 100 ms; 150% for 1 mn; 125% for 10 mn
Frequency	60 Hz
Frequency stability, free running	< 0.01%
Distortion factor	< 2% for linear load < 5% for nonlinear load

General data	
Ambient temperature range for storage	From -22 °F to 176 °F (-30 °C to 80 °C).
Ambient temperature range for operation	From 14 °F to 104 °F (-10 °C to 40 °C) at 100% nominal load From 105 °F to 131 °F (41 °C to 55 °C) with de-rating*
Altitude above sea level	< 3,280 ft (1,000 m) without load de-rating
Allowable air humidity	< 95% (noncondensing)
Noise level standard n+1 fan system	55 – 65 dBA depending on type
Degree of protection	NEMA IP42/UL Type 1
Paint	Light gray, RAL 7035 structure
Efficiency	Up to 93% depending on type Up to 99% in ECO Mode

\* Installation manual requirements need to be considered

## Dimensions

25/37.5/50 kVA UPS (H x W x D)	2,100 mm x 600 mm x 800 mm (cable bottom entry) 2,100 mm x 1,000 mm x 800 mm (cable top entry with top entry cabinet ordered separately)
75/100 kVA UPS (H x W x D)	2,100 mm x 1,200 mm x 800 mm

## Standards

Safety	UL 1778 5th edition CSA C22.2 NO. 107.3
EMC/EMI/RFI	FCC 15B class A
Markings	UL, cUL
Transportation	ISTA 2B
Performance	UL 1778

