

# GXT-6000RTPLUSN230

Rackmount/Rack Tower

6kVA



## Features

- True Online Double-Conversion
- DSP technology guarantees high performance
- Output power factor 1
- 50Hz/60Hz frequency converter mode
- Emergency power off function (EPO)
- Generator compatible
- SNMP/USB/RS-232 communications
- Adjustable battery numbers
- Optional N+X parallel redundancy
- Adjustable charging current via LCD panel
- Supporting Hot Standby function



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## Technical Specifications

### Model/Part Number

GXT-6000RTPLUSN230

Phase	1 phase in / 1 phase out
Capacity	6000 VA/ 6000 W
<b>Input</b>	
Nominal Voltage	208 / 220 / 230 / 240 VAC
Voltage Range	110 ~ 300 VAC $\pm$ 3% at 50% load; 175 ~ 300 VAC $\pm$ 3% at 100% load
Frequency Range	40 ~ 70 Hz
Power Factor	$\geq$ 0.99 @ full load
THDi	<4% @ 100% load; <6% @ 50% load

### Output

Output Voltage	220 / 230 / 240 V (selectable)	
AC Voltage Regulation (Battery Mode)	$\pm$ 1%	
Frequency Range (Synchronized Range)	46~54 Hz @ 50 Hz / 56~64 Hz @ 60 Hz	
Frequency Range (Battery Mode)	50 Hz or 60 Hz	
Current Crest Ratio	3:1 (max.)	
Harmonic Distortion	< 1% THD (Linear Load); $\leq$ 4% THD (Non-linear Load)	
Transfer Time	AC Mode to Battery Mode Inverter to Bypass	Zero Zero
Waveform (Battery Mode)	Pure Sinewave	
Overload	AC Mode Battery Mode	100%~110%: 10 min; 110%~130%: 1 min; >130%: 1 sec 100%~110%: 30 sec; 110%~130%: 10 sec; >130%: 1 sec

Model/Part Number		GXT-6000RTPLUSN230
Phase		1 phase in / 1 phase out
Capacity		6000 VA/ 6000 W
<b>Efficiency</b>		
AC Mode		94%
ECO Mode		98.5%
Battery Mode		92%
<b>Battery</b>		
Long-run Model	Battery Type	Sealed Lead-Acid Maintenance free VRLA 12V / 9Ah
	Numbers	16
	Battery design Life	>3 Years in Standby Service at 25°C
	Charging Current (max.)	4.0 A
	Charging Voltage	(13.65 VDC × battery number) ± 1%
	Battery Test function	Yes
External Battery Cabinet		16 × CSB 12V/9AH (2U) with 1× EBC
<b>EBC Runtime (16 pcs. Battery (9AH))</b>		<b>Minutes</b>
Load Level	25%	36.7
	50%	14.7
	75%	8.1
	100%	5.0
<b>Indicators</b>		
LCD Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions	
<b>Alarm</b>		
Battery Mode	Sounding every 4 seconds	
Low Battery	Sounding every second	
Overload Protection	Sounding twice every second	
Fault	Continuously sounding	
<b>Physical</b>		
Long-run Model	Dimension, D × W × H (mm)	610 × 438 × 88 [2U]
	Net Weight (kgs)	17
External Battery Cabinet	Dimension, D × W × H (mm)	715 × 438 × 88mm [2U]
	Net Weight (kgs)	53
<b>Environment</b>		
Humidity	20 – 90% RH @ 0-40°C (non- condensing)	
Noise Level	Less than 55dB @ 1 Meter	
<b>Management</b>		
Smart RS-232 or USB	Supports Windows® 2000 / 2003 / XP / Vista / 2008 / 7 / 8 / 10, Linux and MAC	
Optional SNMP	Power management from SNMP manager and web browser	

\*Derate capacity to 60% of capacity in CVCF mode and to 90% when the output voltage is adjusted to 208VAC or parallel system is operated.

\*\*When using 16 pieces of batteries, the output power factor will be derated to 0.8. If using 18 or 19 pieces of batteries, the output power will be derated to 0.9.

If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be derated one percent per 100m.

Product specifications are subject to change without further notice.