

Logix 3:1 Tower



- True double-conversion
- DSP technology guarantees high performance
- Output power factor 0.8
- Wide input voltage range (110-300 VAC)
- Active power factor correction in all phases
- Built-in phase auto adapt function simplifies wire installation
- 50Hz/60Hz frequency converter mode
- Eco mode operation for energy saving (ECO)
- Programmable power management outlets
- Emergency power off function (EPO)
- Generator compatible
- Charger capacity expansion to 8A for long-run models
- SNMP+USB+RS-232 multiple communications
- 3-stage extendable charging design for optimized battery performance
- Adjustable battery numbers
- Maintenance bypass available
- Optional N+X parallel redundancy
- Optional isolation transformer available
- NEXTVision shutdown software suite
- 3 years NEXT Onsite warranty

Logix 3:1 10KVA/20KVA Online UPS Selection Guide

MODEL		Logix 3:1 10kVA	Logix 3:1 20 kVA
PHASE		3 phase in / 1 phase out	
CAPACITY		10000 VA / 8000 W	20000 VA / 16000 W
INPUT			
Voltage Range	Low Line Transfer	176 VAC (phase voltage) $\pm$ 3% @ 100% load 110 VAC (phase voltage) $\pm$ 3% @ 50% load	
	Low Line Comeback	186 VAC (phase voltage) $\pm$ 3% @ 100% load 120 VAC (phase voltage) $\pm$ 3% @ 50% load	
	High Line Transfer	300 VAC (phase voltage) $\pm$ 3%	
	High Line Comeback	290VAC (phase voltage) $\pm$ 3%	
Frequency Range		46~54Hz or 56~64Hz	
Power Factor		$\geq$ 0.99 @ 100% load	
OUTPUT			
Output Voltage		208/220/230/240VAC	208/220/230/240VAC
AC Voltage Regulation (Batt. Mode)		$\pm$ 1%	
Frequency Range (Synchronized Range)		46~54Hz or 56~64Hz	
Frequency Range (Batt. Mode)		50 Hz $\pm$ 0.1 Hz or 60 Hz $\pm$ 0.1 Hz	
Current Crest Ratio		3:1	
Harmonic Distortion		$\leq$ 2 % THD (Linear Load) $\leq$ 5 % THD (Non-linear Load)	$\leq$ 2 % THD (Linear Load) $\leq$ 5 % THD (Non-linear Load)
Transfer Time	AC Mode to Batt. Mode	Zero	
	Inverter to Bypass	Zero	
Waveform (Batt. Mode)		Pure Sinewave	
EFFICIENCY			
AC Mode		89%	89%
Battery Mode		86%	87%
BATTERY			
Standard Model	Battery Type	12 V / 9 Ah	
	Numbers	20 pcs (18-20 pcs adjustable)*	2 x 20 pcs (18-20 pcs adjustable)*
	Typical Recharge Time	9 hours recover to 90% capacity	
	Charging Current (max.)	1A	2A
		273 VDC $\pm$ 1%	
INDICATORS			
LCD Display		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions	
ALARM			
Battery Mode		Sounding every 4 seconds	
Low Battery		Sounding every second	
Overload		Sounding twice every second	
Fault		Continuously sounding	
PHYSICAL			
Standard Model	Dimension, D x W x H (mm)	592 x 250 x 576	815 x 250 x 826
	Net Weight (kgs)	83	164
ENVIRONMENT			
Humidity		0-95 % RH @ 0- 40°C (non-condensing)	
Noise Level		Less than 58dB @ 1 Meter	Less than 60dB @ 1 Meter
MANAGEMENT			
Smart RS-232 / USB		Supports Windows [®] 2000/2003/XP/Vista/2008, Windows [®] 7, Linux, Unix, and MAC	
Optional SNMP		Power management from SNMP manager and web browser	
NEXT PARTNUMBERS			
LOGIX 3:1		77123	77124
LOGIX 3:1 EXB (Battery Extension)		77127	77127
NEXT 5+ Warranty Extension (UPS)		11011	11011
NEXT 5+ Warranty Extension (EXB)		11017	11017
SNMP/WEB Interface		99002	99002

*When using internal batteries from 18-19, the unit will de-rate according to the below formula: $P = P_{\text{Rating}} \times N/20$.

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

***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