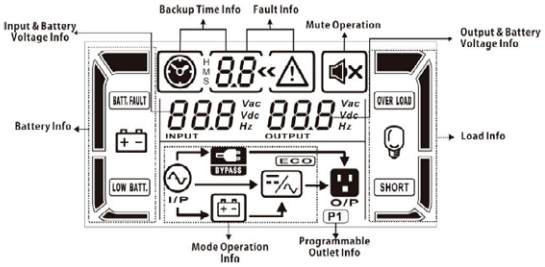
Logix

LCD Display Panel



- **True double-conversion online UPS**
  A true double conversion UPS will provide clean, high level quality power to fully protect mission-critical devices such as sensitive networks, small computer centers, servers, telecom applications, as well as for industrial applications.

- **Output power factor 0.8**
  Compared to the online UPSs in the current market, Logix series provides better output power factor up to 0.8. It offers higher performance and efficiency for critical applications.

- **Wide input voltage range (110 V -300 V)**
  Logix can still provide stable power to connected devices under unstable power environments.

- **Programmable power management outlets**
  With programmable power management outlets, users can easily and independently control load segments. During power failure, this feature enables users to extend battery time to mission-critical devices by shutting down the non-critical devices.

Programmable Outlets (P1) - connect to non-critical devices

- **50/60 Hz Frequency Converter Mode**
  Lock output frequency at 50Hz or 60Hz to suit power sensitive equipments.

- **ECO mode operation for energy saving**
  Offers efficiency as high as 97% to cut energy usage & cost. UPS power application via static bypass, timely returning to online double conversion when the need arises.

- **Emergency Power Off (EPO) Function**
  This feature can secure the personnel and equipment in case of fires or other emergencies.

- **SNMP+USB+RS-232 multiple communications for 1kVA/2kVA/3kVA models**
  This feature allows either USB or RS-232 communication port to work with SNMP interface simultaneously.

- **DSP technology applied for 6kVA and up models**
  A DSP controller provides an improved and cost-effective solution with high performance.

- **Smart battery charger design to optimize battery performance**
  - Logix 1-3kVA series is equipped with **2-stage charger design** to guarantee battery discharge time. Besides, it will adjust charging voltage according to outside temperature. This features will extend the useful service life of batteries.
  - Logix 6kVA and up models are equipped with **3-stage extendable charger** for optimized battery performance. This feature extends the useful service life of batteries and optimizes battery recharge time. Besides, the extendable charger design can be stacked in numbers for large-capacity battery charging.

- **Maintenance bypass available for 6kVA and up models**
  Internal bypass assures continuous power to critical devices during UPS maintenance.

- **Optional hot standby mode and N+X parallel redundancy available for 6kVA and up models**
  For genuinely redundant power protection, Logix (6kVA and up models) can either be used in parallel operation with up to 3 units or hot standby mode. Slave UPS will back up the load in the event of critical component failure. It increases power safety and availability.

- **Adjustable battery numbers for 6kVA and up models**
  Logix (6kVA and up models) can still normal operate well with only 18 or 19 internal batteries.

- **Built-in isolation transformer (Option)**
  With built-in isolation transformer, the UPS will offer full isolation and complete common mode noise rejection for connected precious equipment. It become an ideal power source with 100% protection against unexpected AC power problems.

Logix with built-in isolation transformer

Logix Online UPS Selection Guide

MODEL		LOGIX 1000	LOGIX 2000	LOGIX 3000	LOGIX 6000	LOGIX 10000
PHASE		Single phase with ground				
CAPACITY		1000 VA/800 W	2000 VA/1600 W	3000 VA/2400 W	6000 VA/4800 W	10000 VA /8000 W
INPUT						
Voltage Range	Low Line Transfer	160 VAC ± 5% or 80 VAC ± 5% @ 100% load 110 VAC ± 5% or 50 VAC ± 5% @ 50% load			176 VAC ± 3% @ 100% load 110 VAC ± 3% @ 50% load	
	Low Line Comeback	175 VAC ± 5% or 85 VAC ± 5% @ 100% load			186 VAC ± 3% @ 100% load 120 VAC ± 3% @ 50% load	
	High Line Transfer	300 VAC ± 5 % or 150 VAC ± 5 %			300 VAC ± 3%	
	High Line Comeback	290 VAC ± 5 % or 145 VAC ± 5 %			290 VAC ± 3%	
Frequency Range		40 Hz ~ 70 Hz			46 ~ 54 Hz or 56 ~ 64 Hz	
Power Factor		≥ 0.99 @ Nominal Voltage (Full load)			≥ 0.99 @ 100% load	
OUTPUT						
Output Voltage		208/220/230/240 VAC or 110/115/120/127 VAC			208/220/230/240 VAC	
AC Voltage Regulation (Batt. Mode)		± 3%			± 1%	
Frequency Range (Synchronized Range)		47~53 Hz or 57~63 Hz			46 ~ 54 Hz or 56 ~ 64 Hz	
Frequency Range (Batt. Mode)		50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz			50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz	
Current Crest Ratio		3:1			3:1	
Harmonic Distortion		≤ 3 % THD (Linear Load) ≤ 6 % THD (Non-linear Load)	≤ 4 % THD (Linear Load) ≤ 7 % THD (Non-linear Load)		≤ 3 % THD (Linear Load) ≤ 6 % THD (Non-linear Load)	
Transfer Time	AC Mode to Batt. Mode	Zero				
	Inverter to Bypass	4 ms (Typical)			Zero	
Waveform (Batt. Mode)		Pure Sinewave				
EFFICIENCY						
AC Mode		85%	88%		89%	
Battery Mode		83%			88%	
BATTERY						
Standard Model	Battery Type	12 V / 7 Ah	12 V / 7 Ah	12 V / 9 Ah	12 V / 7 Ah	12 V / 9 Ah
	Numbers	3	6	6	20	20
	Typical Recharge Time	4 hours recover to 90% capacity			7 hours recover to 90% capacity	9 hours recover to 90% capacity
	Charging Current (max.)	1.0 A			1.0 A	
	Charging Voltage	41.0 VDC ± 1%	82.1 VDC ±1%		273.0 VDC ±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)	397 x 145 x 220	421 x 190 x 318		592 x 250 x 576	
	Net Weight (kgs)	13	26	28	81	83
Long-run Model	Dimension, D x W x H(mm)	397 x 145 x 220	421 x 190 x 318		592 x 250 x 576	
	Net Weight (kgs)	7	13	13	25	27
ENVIRONMENT						
Humidity		20-90 % RH @ 0- 40°C (non-condensing)				
Noise Level		Less than 45dB@ 1 Meter			Less than 55dB @ 1 Meter	Less than 58dB @ 1 Meter
MANAGEMENT						
Smart RS-232		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix, and MAC				
USB						
Optional SNMP		Power management from SNMP manager and web browser				
NEXT PARTNUMBERS						
LOGIX		77101	77102	77103	77104	77105
LOGIX EXB (Battery Extension)		77106	77107	77108	77109	77110
NEXT 5+ Warranty Extension (UPS)		11008	11007	11007	11009	11009
NEXT 5+ Warranty Extension (EXB)		11012	11012	11012	11015	11015
SNMP/WEB Interface		99002	99002	99002	99002	99002
*Derate to 60% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 208VAC.						

Product specifications are subject to change without further notice

Logix Tower Battery Pack

Capacity (VA)	1000VA		2000VA/3000VA			
Battery Type	12 V 7 Ah		12 V 7 Ah	12 V 9 Ah	12 V 7 Ah	12 V 9 Ah
Battery Number	6pcs		12 pcs	12 pcs	18 pcs	18 pcs
Dimension (DxWxH) mm	397 X 145 X 220		421 X 190 X 318		535 X 190 X 318	
Net Weight (kgs)	18		36	40	55	61
Capacity (VA)	6000VA/10000VA					
Battery Type	12 V 7 Ah	12 V 9 Ah	12 V 7 Ah	12 V 9 Ah	12 V 7 Ah	12 V 9 Ah
Battery Number	20 pcs	20 pcs	40 pcs	40 pcs	60 pcs	60 pcs
Dimension (DxWxH) mm	592 X 250 X 576		592 X 250 X 576		830 X 250 X 576	
Net Weight (kgs)	64	72	109	125	166	190

* There are several battery options for Logix 2kVA/3kVA/6kVA/10kVA. Please check the above table for the detailed dimensions.

*** 1000VA Battery Pack (capable for 6 pcs batteries inside)**

*** 2000VA/3000VA Battery Pack (capable for 12 pcs or 18 pcs batteries inside)**

*** 6000VA/10000VA Battery Pack (capable for 20 pcs or 40 pcs or 60 pcs batteries inside)**

NEXT UPS SYSTEMS