User Manual





Rack/Tower Online UPS

LOGIX 1000 RT / LOGIX 1500 RT LOGIX 2000 RT / LOGIX 3000 RT

Uninterruptible Power Supply System

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1. Important Safety Warning

Please comply with all warnings and operating instructions in this manual strictly. Save this manual properly and read carefully the following instructions before installing the unit. Do not operate this unit before reading through all safety information and operating instructions carefully

1-1. Transportation

• Please transport the UPS system only in the original package to protect against shock and impact.

1-2. Preparation

- Condensation may occur if the UPS system is moved directly from cold to warm environment. The UPS system must be absolutely dry before being installed. Please allow at least two hours for the UPS system to acclimate the environment.
- Do not install the UPS system near water or in moist environments.
- Do not install the UPS system where it would be exposed to direct sunlight or near heater.
- Do not block ventilation holes in the UPS housing.

1-3. Installation

- Do not connect appliances or devices which would overload the UPS system (e.g. laser printers) to the UPS output sockets.
- Place cables in such a way that no one can step on or trip over them.
- Do not connect domestic appliances such as hair dryers to UPS output sockets.
- The UPS can be operated by any individuals with no previous experience.
- Connect the UPS system only to an earthed shockproof outlet which must be easily accessible and close to the UPS system.
- Please use only VDE-tested, CE-marked mains cable (e.g. the mains cable of your computer) to connect the UPS system to the building wiring outlet (shockproof outlet).
- Please use only VDE-tested, CE-marked power cables to connect the loads to the UPS system.
- When installing the equipment, it should ensure that the sum of the leakage current of the UPS and the connected devices does not exceed 3.5mA.

1-4. Operation

- Do not disconnect the mains cable on the UPS system or the building wiring outlet (shockproof socket outlet) during operations since this would cancel the protective earth of the UPS system and of all connected loads.
- The UPS system features its own, internal current source (batteries). The UPS output sockets or output terminals block may be electrically live even if the UPS system is not connected to the building wiring outlet.
- In order to fully disconnect the UPS system, first press the OFF/Enter button to disconnect the mains.
- Prevent no fluids or other foreign objects from inside of the UPS system.

1-5. Maintenance, service and faults

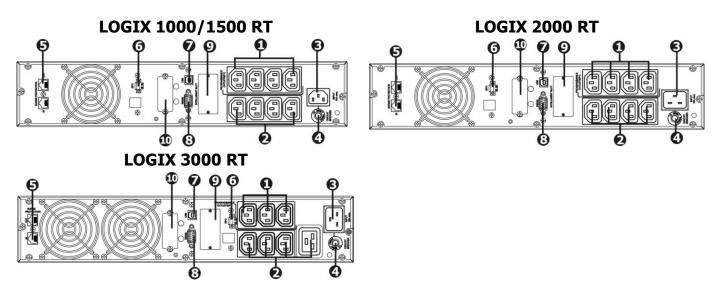
- The UPS system operates with hazardous voltages. Repairs may be carried out only by qualified maintenance personnel.
- **Caution** risk of electric shock. Even after the unit is disconnected from the mains (building wiring outlet), components inside the UPS system are still connected to the battery and electrically live and dangerous.
- Before carrying out any kind of service and/or maintenance, disconnect the batteries and verify that no current is present and no hazardous voltage exists in the terminals of high capability capacitor such as BUS-capacitors.
- Only persons are adequately familiar with batteries and with the required precautionary measures may replace batteries and supervise operations.
 Unauthorized persons must be kept well away from the batteries.
- **Caution -** risk of electric shock. The battery circuit is not isolated from the input voltage. Hazardous voltages may occur between the battery terminals and the ground. Before touching, please verify that no voltage is present!
- Batteries may cause electric shock and have a high short-circuit current. Please take
 the precautionary measures specified below and any other measures necessary when
 working with batteries:
 - remove wristwatches, rings and other metal objects
 - —use only tools with insulated grips and handles.
- When changing batteries, install the same number and same type of batteries.
- Do not attempt to dispose of batteries by burning them. This could cause battery explosion.
- Do not open or destroy batteries. Escaping electrolyte can cause injury to the skin and eyes. It may be toxic.
- Please replace the fuse only with the same type and amperage in order to avoid fire hazards.
- Do not dismantle the UPS system.

2. Installation and setup

NOTE: Before installation, please inspect the unit. Be sure that nothing inside the package is damaged. Please keep the original package in a safe place for future use.

Model No.	Туре
LOGIX 1000 RT	
LOGIX 1500 RT	Ctandard model
LOGIX 2000 RT	Standard model
LOGIX 3000 RT	

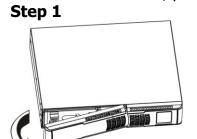
2-1 Rear panel view



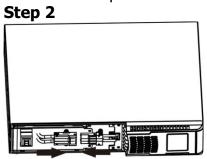
- 1. Programmable outlets: connect to non-critical loads.
- 2. Output receptacles: connect to mission-critical loads.
- 3. AC input
- 4. Input circuit breaker
- 5. Network/Fax/Modem surge protection
- 6. Emergency power off function connector (EPO)
- 7. USB communication port
- 8. RS-232 communication port
- 9. SNMP intelligent slot
- 10. External battery connector

2-2. Install the UPS

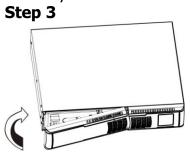
For safety consideration, the UPS is shipped out from factory without connecting battery wires. Before install the UPS, please follow below steps to re-connect battery wires first.





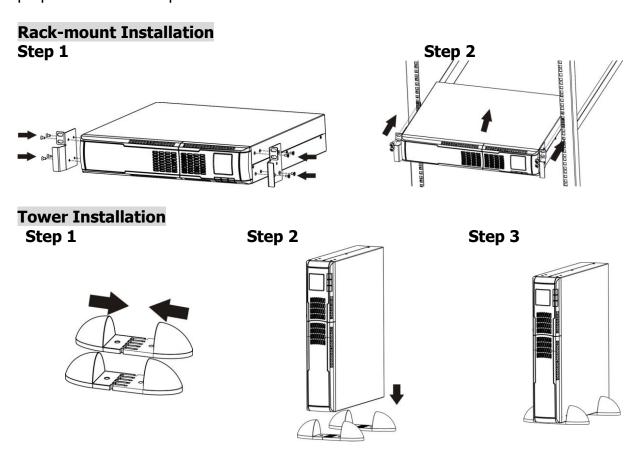


Connect the AC input and re-connect battery wires.



Put the front panel back to the unit.

This UPS can be either displayed on the desk or mounted in the 19" rack chassis. Please choose proper installation to position this UPS.



2-3. Setup the UPS

Step 1: UPS input connection

Plug the UPS into a two-pole, three-wire, grounded receptacle only. Avoid using extension cords.

Step 2: UPS output connection

 For socket-type outputs, there two kinds of outputs: programmable outlets and general outlets. Please connect non-critical devices to the programmable outlets and critical devices to the general outlets. During power failure, you may extend the backup time to critical devices by setting shorter backup time for non-critical devices.

Step 3: Communication connection Communication port:



To allow for unattended UPS shutdown/start-up and status monitoring, connect the communication cable one end to the USB/RS-232 port and the other to the communication port of your PC. With the monitoring software installed, you can schedule UPS shutdown/start-up and monitor UPS status through PC.

The UPS is equipped with intelligent slot perfect for either SNMP or AS400 card. When installing either SNMP or AS400 card in the UPS, it will provide advanced communication and monitoring options.

PS. USB port and RS-232 port can't work at the same time.

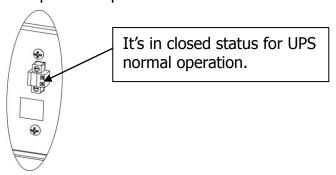
Step 4: Network connection Network/Fax/Phone surge port



Connect a single modem/phone/fax line into surge-protected "IN" outlet on the back panel of the UPS unit. Connect from "OUT" outlet to the equipment with another modem/fax/phone line cable.

Step 5: Disable and enable EPO function

Keep the pin 1 and pin 2 closed for UPS normal operation. To activate EPO function, cut the wire between pin 1 and pin 2.



Step 6: Turn on the UPS

Press the ON/Mute button on the front panel for two seconds to power on the UPS.

Note: The battery charges fully during the first five hours of normal operation. Do not expect full battery run capability during this initial charge period.

Step 7: Install software

For optimal computer system protection, install UPS monitoring software to fully configure UPS shutdown. Please follow steps below to download and install monitoring software:

- 1. Go to the website http://www.nextups.eu/software
- 2. Click NEXTVision software icon and then choose your required OS to download the software.
- 3. Follow the on-screen instructions to install the software.
- 4. When your computer restarts, the monitoring software will appear as a green "N"EXT icon located in the system tray, near the clock.

2-4 Battery Replacement

NOTICE: This UPS is equipped with internal batteries and user can replace the batteries without shutting down the UPS or connected loads.(hot-swappable battery design) Replacement is a safe procedure, isolated from electrical hazards.

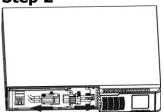
CAUTION!! Consider all warnings, cautions, and notes before replacing batteries. **Note:** Upon battery disconnection, equipment is not protected from power outages.

Step 1



Remove front panel.

Step 2



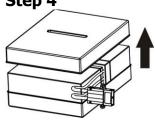
Disconnect battery wires.

Step 3



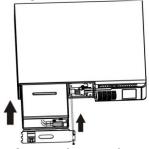
Pull out the battery box by removing two screws on the front panel.

Step 4



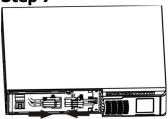
Remove the top cover of battery box and replace the inside batteries.

Step 5



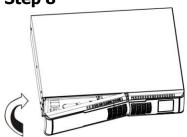
After replacing the batteries, put the battery box back to original location and screw it tightly.

Step 7



Re-connect the battery wires.

Step 8



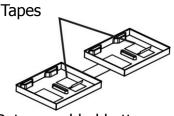
Put the front panel back to the unit.

2-5 Battery Kit Assembly (option)

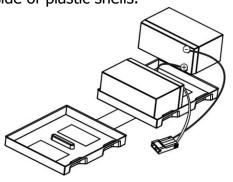
NOTICE: Please assemble battery kit first before installing it inside of UPS. Please select correct battery kit procedure below to assemble it.

2-battery kit

Step 1: Remove adhesive tapes.

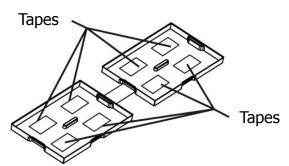


Step 3: Put assembled battery packs on one side of plastic shells.

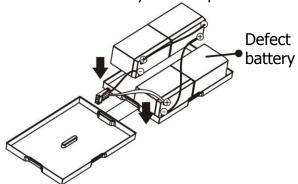


3-battery kit

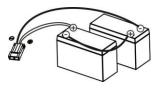
Step 1: Remove adhesive tapes.



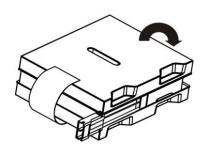
Step 3: Put assembled battery packs on one side of plastic shells and insert one more defect battery on the space.



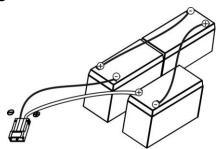
Step 2: Connect all battery terminals by following below chart.



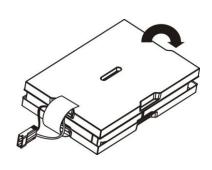
Step 4: Cover the other side of plastic shell as below chart. Then, battery kit is assembly well.



Step 2: Connect all battery terminals by following below chart.

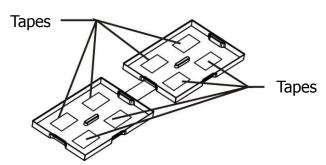


Step 4: Cover the other side of plastic shell as below chart. Then, battery kit is assembly well.

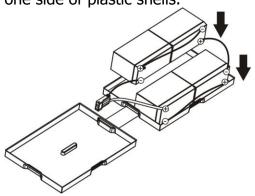


4-battery kit

Step 1: Remove adhesive tapes.

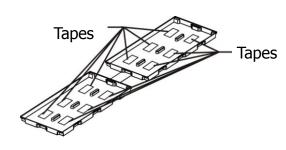


Step 3: Put assembled battery packs on one side of plastic shells.

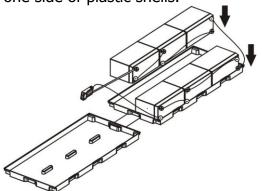


6-battery kit

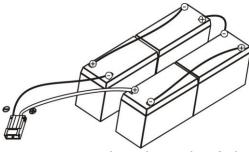
Step 1: Remove adhesive tapes.



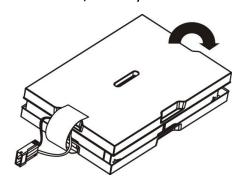
Step 3: Put assembled battery packs on one side of plastic shells.



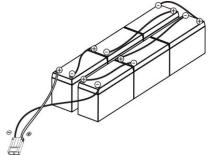
Step 2: Connect all battery terminals by following below chart.



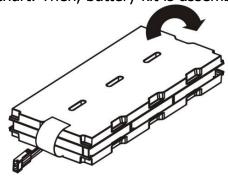
Step 4: Cover the other side of plastic shell as below chart. Then, battery kit is assembly well.



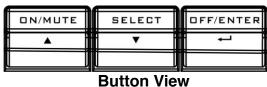
Step 2: Connect all battery terminals by following below chart.



Step 4: Cover the other side of plastic shell as below chart. Then, battery kit is assembly well.

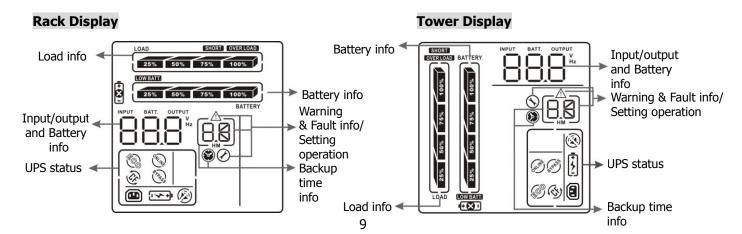


3. Operations 3-1. Button operation



Button view		
Button	Function	
ON/Mute Button	 Turn on the UPS: Press and hold ON/Mute button for at least 2 seconds to turn on the UPS. Mute the alarm: After the UPS is turned on in battery mode, press and hold this button for at least 5 seconds to disable or enable the alarm system. But it's not applied to the situations when warnings or errors occur. Up key: Press this button to display previous selection in UPS setting mode. Switch to UPS self-test mode: Press ON/Mute buttons simultaneously for 5 seconds to enter UPS self-testing while in AC mode, ECO mode, AECO mode, or converter mode. 	
OFF/Enter Button	 Turn off the UPS: Press and hold this button at least 2 seconds to turn off the UPS in battery mode. UPS will be in standby mode under power normal or transfer to bypass mode if the Bypass enable setting by pressing this button. Confirm selection key: Press this button to confirm selection in UPS setting mode. 	
Select Button	 Switch LCD message: Press this button to change the LCD message for input voltage, input frequency, battery voltage, output voltage, output frequency. Setting mode: Press and hold this button for 5 seconds to enter UPS setting mode when Standby and Bypass mode. Down key: Press this button to display next selection in UPS setting mode. 	
ON/Mute + Select Button	Switch to bypass mode: When the main power is normal, press ON/Mute and Select buttons simultaneously for 5 seconds. Then UPS will enter to bypass mode. This action will be ineffective when the input voltage is out of acceptable range.	

3-2. LCD Panel



Display	Function
Backup time information	tion
	Indicates the backup time in pie chart.
	Indicates the backup time in numbers. H: hours, M: minute
Warning & Fault info	,
<u> </u>	Indicates that the warning and fault occurs.
	Indicates the warning and fault codes, and the codes are listed in details in 3-5 section.
Setting Operation	
	Indicates the setting operation.
Input/Output & Batte	ery information
INPUT BATT. OUTPUT V	Indicates the output/input voltage, output/input frequency, and battery voltage. V: voltage, Hz: frequency
Load information	
LOAD 25% 50% 75% 100%	Indicates the load level by 0-25%, 26-50%, 51-75%, and 76-100%.
OVERLOAD	Indicates overload.
SHORT	Indicates the load or the UPS output is short circuited.
UPS status	
	Indicates that programmable management outlets are working.
ONLINE.	Indicates the UPS working in line mode.
(§)	Indicates the UPS is working in converter mode.
BYPE 5	Indicates the UPS is working in bypass mode.
	Indicates the UPS powers the output directly from the mains
<u> </u>	Indicates that the UPS alarm is disabled.
	Indicates the battery charger is working.
Battery information	
25% 50% 75% 100% BATTERY	Indicates the Battery level by 0-25%, 26-50%, 51-75%, and 76-100%.
LOW BATT.	Indicates low battery.
: X :	Indicates there is something wrong with battery.

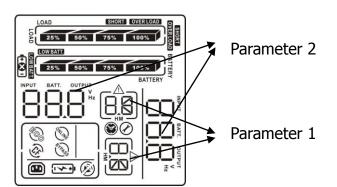
3-3. Audible Alarm

Battery Mode	Sounding every 4 seconds
Low Battery	Sounding every second
Overload	Sounding twice every second
Fault	Continuously sounding

3-4. LCD display wordings index

Abbreviation	Display content	Meaning
ENA	FOR	Enable
DIS		Disable
ESC	T ESC	Escape
RAC	FRC	Rack display
TOE	1 E O E	Tower display
B.L	<u> </u>	Low Battery
O.L	O.L.	Overload
N.C	Π.Ε	Battery is not connected
O.C	0.0	Overcharge
SF	SF	Site Fault
E.P	I E.P	EPO
T.P	L.P	Over Temperature
C.H		Charger Failure
B.B	6.6	Battery Fault
F.U	F.U	Frequency Unstable in Bypass Mode
B.V		Input Voltage is Out of Bypass Range

3-5. UPS Setting



There are two parameters to set up the UPS.

Parameter 1: It's for program alternatives. There are 9 programs to set up:

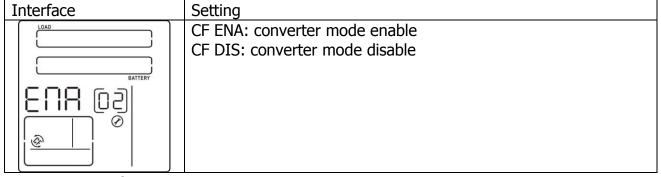
Parameter 2: It's for setting

information display.

01: Output voltage setting

Trabalifa a	
Interface	Setting
	For 208/220/230/240 VAC models, you may choose the following output voltage:
LOAD	208: presents output voltage is 208Vac
	220: presents output voltage is 220Vac
BATTERY	230: presents output voltage is 230Vac
	240: presents output voltage is 240Vac
	For 110/150/120/127 VAC models, you may choose the following
	output voltage:
	110: presents output voltage is 110Vac
	115: presents output voltage is 115Vac
	120: presents output voltage is 120Vac
	127: presents output voltage is 127Vac

• 02: Frequency Converter enable/disable



03: Output frequency setting

Interface	Setting
LOAD OUTPUT Hz OUTPUT BATTERY	You may set the initial frequency on battery mode: BAT 50: presents output frequency is 50Hz BAT 60: presents output frequency is 60Hz If converter mode enable, you may choose the following output frequency: CF 50: presents output frequency is 50Hz CF 60: presents output frequency is 60Hz

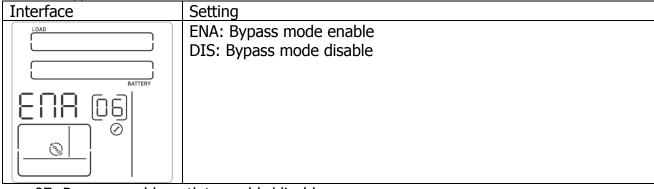
• 04: ECO enable/disable

Interface	Setting
LOAD	ENA: ECO mode enable
	DIS: ECO mode disable
BATTERY	
IFOR Gal	

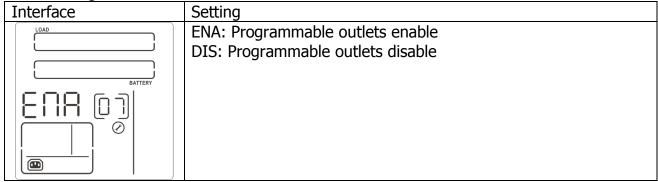
• 05: AECO enable/disable

Interface	Setting
LOAD	ENA: Advanced ECO mode enable DIS: Advanced ECO mode disable
BATTERY	Distriction Les mode disable
EAR OS	

• 06: Bypass mode enable/disable



• 07: Programmable outlets enable/disable



• 08: Programmable outlets setting

Interface	Setting
LOAD BATTERY	0-999: setting the backup time limits in minutes from 0-999 for programmable outlets which connect to non-critical devices on battery mode.

09: LCD display direction setting

Interface	Setting
LOAD BATTERY BATTERY OP	RAC: the LCD display is horizontal. TOE: the LCD display is vertical.

• 10: Acceptable input voltage range setting

	voltage range setting
Interface	Setting
INPUT BATTERY	For 208/220/230/240 VAC models, you may choose the following Acceptable input voltage range: 110/300 alternating flashing: acceptable input voltage range is from 110V to 300V; 160/260 alternating flashing: acceptable input voltage range is 160V to 260V; 170/270 alternating flashing: acceptable input voltage range is 170V to 270V; For 110/150/120/127 VAC models, you may choose the following Acceptable input voltage range: 55/150 alternating flashing: acceptable input voltage range is from 55V to 150V; 80/130 alternating flashing: acceptable input voltage range is 80V to 130V; 85/135 alternating flashing: acceptable input voltage range is 85V to 135V;

00: Exit setting

3-6. Operating Mode Description

Operating	Description	LCD display	
mode		Rack Display	Tower Display
Online mode	When the input voltage is within acceptable range, UPS will provide pure and stable AC power to output. The UPS will also charge the battery at online mode.	10AD 1575. 50%. 75%. 1000.173 25%. 50%. 75%. 100%. BATTERY	BATTERY NO. N.E. NO. N.E. NO. N.E. N. N.E. N. N.E. N. N.E. N. N.E. N. N.E. N
ECO mode (Efficiency Corrective Optimizer)	When the input voltage is within setting range (±3%Vo max), UPS will bypass voltage to output for energy saving. PFC and INVERTER are still active at this mode.	10A0 1574, 50%, 775% CODEATE 25%, 50%, 775%, 100%,	BATTERY VIOL NO. NALL NA. NALL NALL

AECO mode (Advanced Efficiency Corrective Optimizer)	When the input voltage is within setting range (±3%Vo max), UPS will bypass voltage to output for energy saving. PFC and INVERTER are off at this mode.	10A0 25% 50% 75% COREATT 25% 50% 75% 100% BATTERY	BATTERY NOD SEE SO SEE SEE SEE SEE SEE SEE SEE SEE
Frequency Converter mode (Rack)	When input frequency is within 40 Hz to 70 Hz, the UPS can be set at a constant output frequency, 50 Hz or 60 Hz. The UPS will still charge battery under this mode.	10AD 1553 50% 75% 100% COURNITY 25% 50% 75% 100% BATTERY	BATTERY V
Battery mode	When the input voltage is beyond the acceptable range or power failure and alarm is sounding every 4 second, UPS will backup power from battery.	10AD 25% 50% 75% COREATE 25% 50% 75% BATTERY	BATTERY SOUTHUT SOU
Bypass mode	When input voltage is within acceptable range but UPS is overload, UPS will enter bypass mode or bypass mode can be set by front panel. Alarm is sounding every 10 second.	10AD 25% 50% 70% COREATE 25% 50% 70% BATTERY	BATTERY SOIL SEE LOAD OF SEE L
Standby mode	UPS is powered off without output power, but the battery still can be charged.	LOAD 25% SO% 75% BATTERY OUTPUT V	BATTERY OUTPUT V
Fault mode	The UPS is in fault mode when no output power is supplied from the UPS and the fault icon flashes on the LCD display, although the information of UPS can be displayed in the screen.	LOAD 25'2 50'K 75'K BATTERY OUTPUT I I I I I I I I I I I I I I I I I I I	BATTERY OUTPUT V

3-7. Faults Reference Code

Fault event	Fault	Icon	Fault event	Fault	Icon
	code			code	
Bus start fail	01	Х	Low Inverter voltage	13	Х
Bus over	02	Х	Inverter output short	14	SHORT
Bus under	03	Х	Battery voltage too high	27	Х
Bus unbalance	04	Х	Battery voltage too low	28	·×
Inverter soft start fail	11	Х	Over temperature	41	Х

High Inverter voltage	12	Х	Overload	43	OVER LOAD
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3-8. Warning indicator

Warning	Icon (flashing)	Code	Alarm
Low Battery	LOW BATT.	ЬL	Sounding every second
Overload	OVER LOAD !		Sounding twice every second
Battery is not connected	<u> </u>		Sounding every second
Overcharge	25% 50% 75% 100% BATTERY		Sounding every second
Site wiring fault	\triangle	SF	Sounding every second
EPO enable	\triangle	E.P	Sounding every second
Over temperature	\triangle	Ę	Sounding every second
Charger failure	\triangle		Sounding every second
Battery Fault	₹ ⊗ _^:	6.6	Sounding every second
Bypass Out Range	(Reg.)	6.0	Sounding every second
Bypass Frequency Unstable	(10 mg) (1)	FU	Sounding every second

4. TroubleshootingIf the UPS system does not operate correctly, please solve the problem by using the table below.

Symptom	Possible cause	Remedy
No indication and alarm even though the main is normal.	The AC input power is not connected well.	Check if input power cord firmly connected to the mains.
	The AC input is connected to the UPS output.	Plug AC input power cord to AC input correctly.
The icon and the warning code <i>EP</i> flashing on LCD display and alarm is sounding every second.	EPO function is activated.	Set the circuit in closed position to disable EPO function.
The icon And 5F flashing on LCD display and alarm is sounding every second.	Line and neutral conductors of UPS input are reversed.	Rotate mains power socket by 180° and then connect to UPS system.
The icon and alarm is sounding every second.	The external or internal battery is incorrectly connected.	Check if all batteries are connected well.
Fault code is shown as 27 and the icon is lighting on LCD display and alarm is continuously sounding.	Battery voltage is too high or the charger is fault.	Contact your dealer.
Fault code is shown as 28 and the icon is lighting on LCD display and alarm is continuously sounding.	Battery voltage is too low or the charger is fault.	Contact your dealer.
The icons of and overLoad are flashing on LCD display and	UPS is overload	Remove excess loads from UPS output.
alarm is sounding twice every second.	UPS is overloaded. Devices connected to the UPS are fed directly by the electrical network via the Bypass.	Remove excess loads from UPS output.
	After repetitive overloads, the UPS is locked in the Bypass mode. Connected devices are fed directly by the mains.	Remove excess loads from UPS output first. Then shut down the UPS and restart it.
Fault code is shown as 43 and The icon OVERLOAD is lighting on LCD display and alarm is continuously	The UPS shut down automatically because of overload at the UPS	Remove excess loads from UPS output and restart it.

sounding.	output.	

Symptom	Possible cause	Remedy
Fault code is shown as 14 and alarm is continuously sounding.	The UPS shut down automatically because short circuit occurs on the UPS output.	Check output wiring and if connected devices are in short circuit status.
Fault code is shown as 01, 02, 03, 04, 11, 12, 13 and 41 on LCD display and alarm is continuously sounding.	A UPS internal fault has occurred. There are two possible results: 1. The load is still supplied, but directly from AC power via bypass. 2. The load is no longer supplied by power.	Contact your dealer
Battery backup time is shorter than nominal value	Batteries are not fully charged	Charge the batteries for at least 5 hours and then check capacity. If the problem still persists, consult your dealer.
	Batteries defect	Contact your dealer to replace the battery.

5. Storage and Maintenance

5-1. Operation

The UPS system contains no user-serviceable parts. If the battery service life (3~5 years at 25°C ambient temperature) has been exceeded, the batteries must be replaced. In this case, please contact your dealer.





Be sure to deliver the spent battery to a recycling facility or ship it to your dealer in the replacement battery packing material.

Storage

Before storing, charge the UPS 5 hours. Store the UPS covered and upright in a cool, dry location. During storage, recharge the battery in accordance with the following table:

Storage Temperature	Recharge Frequency	Charging Duration
-25°C - 40°C	Every 3 months	1-2 hours
40°C - 45°C	Every 2 months	1-2 hours

6. Specifications

MODEL		LOGIX 1000 RT	LOGIX 1500 RT	LOGIX 2000 RT	LOGIX 3000 RT			
	VA	1000 VA	1500 VA	2000 VA	3000 VA			
Capacity	W	900 W	1350 W	1800 W	2700 W			
INPUT	1	300 11	1000 11	1000 11	2,00 11			
	Low Line 80 VAC/70 VAC/60 VAC/55 VAC ± 5 % or 160 VAC/140 VAC/120 VAC/110 VAC ± 5 %							
	Transfer	(based on load percentage 100%-80% / 80%-70% / 70%-60% / 60%-0)						
Voltage	Low Line Comeback	85 VAC/75 VAC/65 V	/AC / 120 VAC ± 5 %					
Range	High Line Transfer		150 VAC ± 5 % or 300 VAC ± 5 %					
	High Line Comeback		140 VAC ± 5 % or	290 VAC ± 5 %				
Frequency	Range		40Hz ~	_				
Power Fact	tor		≥0.99 @nor	mal voltage				
OUTPUT								
Output Vol	tage		110/115/120/127 VAC or	· 208/220/230/240 VAC	• •			
	Regulation		± 1	• •				
Frequency	Range		47 ~ 53 Hz or 57 ~ 63 H:	z (Synchronized Range)				
Frequency			50 Hz \pm 0.5% or 60 Hz					
Current Cre	est Ratio (CF)		5:1 (m	nax.)				
Harmonic I	Distortion	≦ 2% (L	inear load)	≦ 2% (Linear load)			
(THDU)		8% max (Batt. mod	le before shut down)	8% max (Batt. mo	ode before shut down)			
т	AC to DC		Zer	0				
Transfer Time	Inverter to Bypass		4 ms (Typical)					
Waveform	veform (Batt. Mode) Pure Sinewave							
EFFICIEN								
AC Mode		86% (typical), 88% (peak) 88% (typical), 90% (peak)						
Battery Mo	ode	83% (typical), 86% (peak) 85% (typical), 88% (peak)						
BATTERY								
Battery Typ	ре	12V/9Ah	12V/9Ah	12V/9Ah	12V/9Ah			
Numbers		2	3	4	6			
Typical Red	charge Time		4 hours recover t	o 90% capacity				
Charging C	Current (max.)	1 A	1 A	1 A	1 A			
Charging V	/oltage	27.4 VDC ± 1%	41.1 VDC ± 1%	54.7 VDC ± 1%	82.1VDC ± 1%			
INDICATO	ORS							
LCD		UPS status, Load lev	el, Battery level, Input/O indica		harge time and Fault			
ALARM								
Battery Mo			Sounding ever					
Low Batter	γ		Sounding ev	,				
Overload		Sounding twice every second						
Fault		Continuously sounding						
PHYSICAL								
Dimension, DxWxH (mm)		380 x 438 x 88	480 x 438 x 88	480 x 438 x 88	600 x 438 x 88			
Net Weight		12.9	17.6	20.6	28			
ENVIRON	IMENT							
Humidity 20-90 % RH @ 0- 40°C (non-condensing)								
Noise Leve			Less than 50dE	BA @ 1 Meter				
MANAGEN				/2005/=	1.046.5			
Smart RS-2			Vindows 2000/2003/XP/V					
Optional SI	NMP	Power management from SNMP manager and web browser						