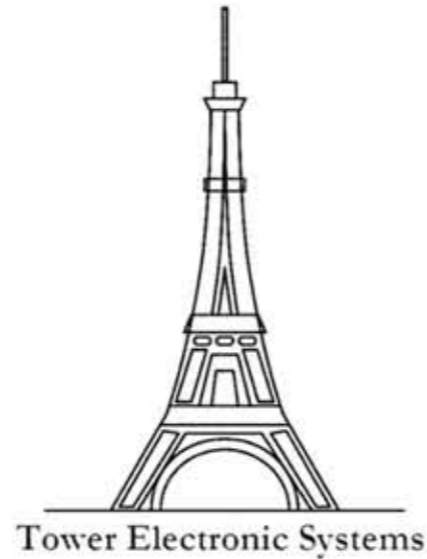
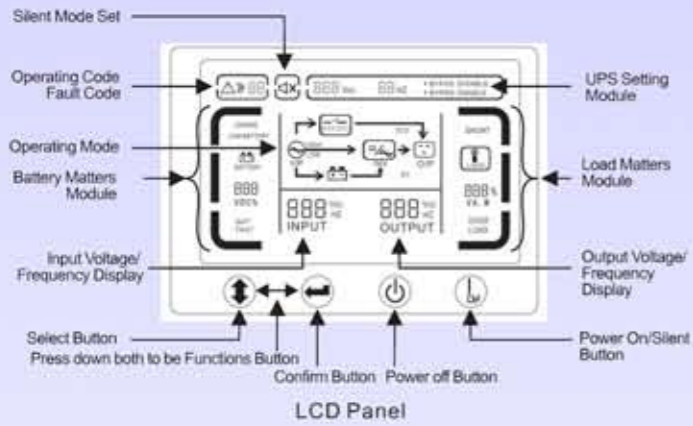


EX Series

Online UPS

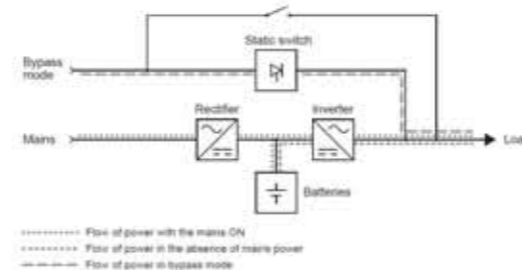


Overview

This Online UPS is a high frequency unit specifically designed for servers, data-center critical network devices, sensitive electronic equipment, telecom, banks, hospitals etc. The output load is always fed from the UPS inverter and the batteries being charged via AC utility power. When the utility power shuts down, output power is fed from the internal battery to keep a stable output power supply.

Key Features

- LCD digital display shows detailed real-time UPS status and parameters
- Set output voltage, frequency parameter and bypass function from the display
- Advanced MCU microprocessor control technology, ensures long life reliability
- Wide input voltage range, Zero transfer time
- Protection against over voltage, overload, over current, over charge
- Reverse line in detection
- Auto start
- DC Start
- Smart RS232 communication with monitoring
- Dry contact / SNMP monitoring (optional)
- Low battery alarm
- Lightning, surge, short circuit, network/fax/modem surge protection



SPECIFICATIONS:



Model	EX1K	EX2K	EX3K	EX1KL	EX3KL
Nominal Capacity	1kVA / 800W	2kVA / 1.6kW	3kVA / 2.4kW	1kVA / 800W	3kVA / 2.4kW
Input	Input Power Factor >0.97				
	Input Voltage Range 115 - 300VAC				
	Input Frequency Range 50Hz : 46-54Hz				
Output	Output Voltage Range 220/230/240VAC ± 2%				
	Output Frequency 50Hz AC mode: Follow AC mode / Battery mode: 50Hz ± 0.2Hz				
	Output Waveform Pure Sine Wave				
	Output Power Factor 0.8				
	Output Harmonic Distortion <3% THD (linear load), <7% THD (Non-linear load)				
	Output Current Crest Ratio 3:1				
Battery	Battery Type Sealed Maintenance Free Lead Acid				
	Nominal DC Voltage		Built in 12V 7Ah Batteries		36VDC / 96VDC
	Quantity	3pcs	8pcs	Depends on External Battery Connected	
	Battery Recharge Time	5hrs to 90%		Depends on External Battery Connected	
	Maximum Charge Current	1A		7A	8A
	Charge Voltage (VDC)	41.1V ± 0.6V	110V ± 0.4V		
Efficiency	Efficiency to AC Mode 85%				
	Efficiency to Battery Mode 83%				
Bypass	Automatic Transfer On Overload and UPS Failure				
	Before Power On Default "NO" user adjustable to "YES"				
Transfer Time	0ms, less than 4ms from Inverter to Bypass				
Overload	110 - 150% maintain 30s then turn to Bypass Output, over 150% maintain 200ms				
Indicators	LCD Display	UPS Status, Battery Capacity, Loading, Fault Codes			
Alarms	Bypass, On Battery Mode, Battery Low, Overload, Fault				
Communication	RS232	Monitor UPS through Direct Cable Connection & Software			
	SNMP (Optional)	Network Control UPS through Management Software & Internet			
	GSM (Optional)	Monitor UPS over GSM Network			
Network Surge Protection	RJ45 I/O Port available for Network or Fax/Telephone/Modem				
Environment	Operating Temperature 0-40°C				
	Operating Humidity 20-90% Non-Condensing				
	Noise (1meter distance)	<45dB	<50dB	<45dB	<50dB
Dimensions (WxDxH) mm	145x360x220	192x475x353	145x360x220	192x475x353	
Weight (kg)	10	28	28	4	12

* Product specifications are subject to change without prior notice.