

# LION PLUS

SERIES

## 650-2000 VA

LINE INTERACTIVE UPS



UPS LINE INTERACTIVE



TOWER



PLUG & PLAY



USB



LCD DISPLAY (1000-1500-2000VA)

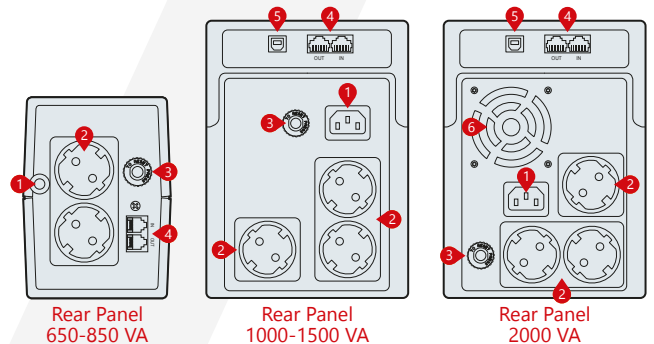


### FEATURES

- LED Display (650-850)
- LCD Display (1000-1500-2000)
- Microprocessor-Based Digital Control
- Automatic Voltage Stabilization
- Automatic Breaker
- Frequency Adaptive
- User Friendly Alarm System
- Cold Start
- Auto Restart while AC is Recovering
- Simulated Sine Wave Output
- Intelligent Battery Management
- Short Circuit and Over Discharged Protection
- Automatically Charging Battery at UPS Off Mode
- Shut Down when No Load Connected at Battery Mode
- USB Communication Port
- RJ11/RJ45 Protection

### DETAILS

1. AC Input
2. Outlet
3. Breaker
4. RJ11/RJ45
5. USB
6. Fan



Rear Panel  
650-850 VA

Rear Panel  
1000-1500 VA

Rear Panel  
2000 VA

### CERTIFICATES



MODEL						
Capacity		650VA / 390W	850VA / 510W	1000VA / 600W	1500VA / 900W	2000VA / 1200W
<b>INPUT</b>						
Related Voltage		220V / 230V / 240 VAC				
Voltage Range		162-290 VAC ±7%				
Frequency		50-60 Hz ±10%				
<b>OUTPUT</b>						
Voltage Range		220V / 230V / 240 VAC				
Voltage Precision		±10% (Battery Mode)				
Frequency	AC Mode	Same as Mains				
	Battery Mode	50-60 Hz ±1%				
Waveform		Modified Sine Wave				
Crest Factor		3:1				
Transfer Time		2~6ms, 10ms Max.		4~8ms, 10ms Max.		
Overload	AC Mode	110% + 20% / -10%; Shutdown after 5 minutes and go to Fault Mode for all Model				
		120% + 20% / -10%; Shutdown immediately and go to Fault Mode for 1B Model				
		120% + 20% / -10%; Shutdown after 8 sec and go to Fault Mode for 2B Model				
	Battery Mode	110% + 20% / -10%; Shutdown after 5 seconds 120% + 20% / -10%; Shutdown immediately				
<b>EFFICIENCY</b>						
Inverter Mode		Line Mode: >95%, AVR Mode: >88%				
Battery Mode		>60%				
<b>BATTERY</b>						
Battery Configuration		12V/7Ah*1	12V/9Ah*1	12V/7Ah*2	12V/9Ah*2	12V/9Ah*2
Charge Current		About 1A at Normal Mode				
Recharge/Charging Time		6 hours to 90% at Normal Mode after Complete Discharge (Load>50%)				
Backup Time		~16 min.	~20 min.	~30 min.	~50 min.	~50 min.
<b>PROTECTION</b>						
Full Protection		Discharge, Overcharge, Overload Protection		Discharge, Overcharge, Overload, Short Circuit Protection		
<b>INDICATION</b>						
AC Mode		Green LED Lighting		Green LED Lighting		
Battery Mode		Green LED Lighting		Yellow LED Lighting		
Fault		N/A		Red LED Lighting		
<b>ALARM</b>						
Battery Mode		Sounding every 10 seconds				
Battery Low		Sounding every 1 seconds				
Overload		Sounding every 0.5 seconds				
Fault		Continuously Sounding				
<b>OPERATING ENVIRONMENT</b>						
Temperature		0 ~ 40°C				
Storage Temperature		-20°C ~ 55°C				
Relative Humidity		0 to 90 °C				
Audible Noise (at 1m)		≤40 dB			≤45 dB	
<b>OTHER</b>						
Communication Port		USB				
Software		Windows Family / Linux / Mac				
<b>DIMENSIONS &amp; WEIGHT</b>						
Dimension (mm) WxDxH		100 x 278 x 143			139 x 365 x 195	
Packaging Dimension (mm) WxDxH		142 x 332 x 225			235 x 457 x 297	
Net Weight (kg)		4,35	5,15	9,07	10,74	10,74
Gross Weight (kg)		4,55	5,35	10,2	12	12

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