

# Line Interactive UPS

## Opal Series



650VA - 2200VA



### Features:

- HID compliant USB interface enables integration with built-in power management and auto shutdown features of Windows, Mac OS and Linux
- Supports loads with Active Power Factor Correction switching power supply
- Cost effective backup solution with excellent performance
- Easy-to-understand graphic LCD display
- Built-in voltage regulator for reliable power quality
- Super fast charger reduces charging time to 2-6 hours
- Ethernet/phone line protection
- User-replaceable battery design
- Built-in DC start function enables UPS to be started without AC power
- Auto restart on resumption of AC supply
- Discharge, overcharge and overload protection
- Free downloadable software

# Line Interactive UPS

## SPECIFICATIONS:

Model		Opal 650	Opal 850	Opal 1200	Opal 2200
<b>Capacity</b>	VA/W	650VA/360W	850VA/480W	1200VA/600W	2200VA/1200W
<b>Input</b>	Voltage	230VAC			
	Voltage Range	170~280VAC			
	Frequency Range	45~55/55~65Hz			
	Input Wiring	Single phase with ground			
<b>Output</b>	Output Power Factor	0.55	0.56	0.5	0.55
	Voltage	230VAC			
	Voltage Regulation (Line mode)	±15%			
	Voltage Regulation (Battery mode)	±10%			
	Frequency Range	50Hz			
	Frequency Regulation (Battery mode)	±1Hz			
	Battery Mode ↔ Line Mode	Typical 2-6ms		Typical 4-8ms	
	Waveform	Modified Sine Wave			
	Parallel Operation	N/A			
<b>Efficiency</b>	Line Mode	95%			
	AVR Mode	88%			
	Battery Mode	60%			
<b>Protection</b>	Full protection	Discharge, overcharge and overload protection			
<b>Environment</b>	Humidity	0-90 % RH @ 0° to 40° C (non-condensing)			
	Noise Level	<40dB		<45dB	
<b>Software</b>	Monitoring Software	WinPower			
<b>Battery</b>	Type & Number	12V/7Ah x 1	12V/9Ah x 1	12V/7Ah x 2	12V/9Ah x 2
	Rated Battery Voltage	12VDC		24VDC	
	Recharge Time (to 90%)	2-6 hours			
	Charging Current	1A			
<b>Audible Alarm</b>	Battery Mode	Beeping every 10 seconds			
	Battery Low	Beeping every 1 second			
	Overload	Beeping every 0.5 seconds			
	Faulty	Continuously beeping			
<b>Physical</b>	LCD Indicator	LCD display			
	Outlet	2 x Australian outlets		4 x Australian outlets	
	Dimension D x W x H (mm)	290 x 100 x 143		364 x 139 x 195	
	Net weight (kg)	4.4	5.2	8.9	10.4
<b>Interface</b>	USB	Yes			
	External Slot	No			
	Connector	USB port, RJ11 Surge Protection		USB port, RJ45 Surge Protection	
	TVSS	RJ11 Jack		RJ45 Jack	
* Product specifications are subject to change without further notice					