

# Line Interactive UPS

## Jade Series



**1100 - 3000VA**



### Features

- Pure Sinewave output
- Built-in RS-232 & HID compliant USB communication port
- Programmable power management outlets
- Smart microprocessor control guarantees high reliability
- Automatic buck and boost AVR for voltage stabilization / regulation
- Full-bridge inverter architecture can support half wave rectified equipment
- Built in EMI/RFI noise filter circuit
- Emergency Power Off Function (EPO)
- 3-stage smart battery charging control
- Very high efficiency in battery mode
- Multiple communications available
- ECO (Efficiency Corrective Optimizer) operation for energy saving

# Line Interactive UPS

## SPECIFICATIONS:

MODEL		Jade 1100	Jade 1500	Jade 2000	Jade 3000
<b>CAPACITY</b>	VA/W	1100VA/770W	1500VA/1050W	2000VA/1400W	3000VA/2100W
<b>INPUT</b>	Nominal Voltage	208/220/230/240VAC			
	Acceptable Voltage Range	162~290VAC			
	Frequency Range	50/60Hz (auto sensing)			
<b>OUTPUT</b>	Output Voltage	208/220/230/240VAC			
	Voltage Regulation (Batt. Mode)	±1.5% (before battery alarm)			
	Frequency Range (Batt. Mode)	50Hz or 60Hz ± 1Hz			
	Current Crest Ratio	3:1			
	Harmonic Distortion	2% max @ 100% linear load, 5% max @ 100% non-linear load (before low battery alarm)			
	Transfer Time	Typical 2-6 ms, 10ms max.			
<b>EFFICIENCY</b>	ECO Mode	>97%			
	Buck & Boost Mode	>95%			
	Battery Mode	≥ 88%, up to 90% @ nominal battery voltage			≥ 91%, up to 92% @ nominal battery voltage
<b>BATTERY</b>	Battery Type & Number	12V/7Ah x 2	12V/9Ah x 2	12V/7Ah x 4	12V/9Ah x 4
	Charging Current (max.)	1.5A			
	Charging Voltage	27.4VDC ± 1%		54.8VDC ± 1%	
	Typical Recharge Time	4 hours recover to 90% capacity			
<b>INDICATORS</b>	LCD Display	AC Mode, Battery Mode, Load Level, Battery Level, Input Voltage, Output Voltage, Overload, Fault, and Low Battery			
<b>PROTECTION</b>	Full Protection	Overload, discharge, and overcharge protection			
<b>ALARM</b>	Battery Mode	Beeps every 10 seconds			
	Low Battery	Beeps every 2 seconds			
	Overload	Beeps every second			
	Fault	Beeps continuously			
<b>PHYSICAL</b>	Dimension D X W X H (mm)	410 x 145 x 236		470 x 145 x 236	
	Net Weight (kg)	11.65	12.35	18.1	20.3
<b>ENVIRONMENT</b>	Operating Humidity	0-90% RH @ 0- 40°C (non-condensing)			
	Noise Level	Less than 45dB			Less than 50dB
<b>MANAGEMENT</b>	Smart RS-232 / HID USB	Supports Windows® 2000/2003/XP/Vista/2008/7/8/10, Linux, and MAC			
	Optional SNMP Card	Power management from SNMP manager and web browser			

\* Product specifications are subject to change without further notice.