

NB31

LED and LCD DISPLAY



Easy-Mon

UPS Monitoring and Management Software for Windows 95/98/ME or Windows 2000/NT/XP

Easy-Mon

UPS Monitoring and Management Software for Linux or Unix

TRUE ON-LINE DOUBLE CONVERSION SINE WAVE UPS

- Latest IGBT technology for highest reliability
- 100% backup guarantee with no break power
- Zero time static bypass
- Computer interface
- Input voltage 380/415 Vac \pm 20% three phase
- Output voltage 220/240 Vac \pm 1% single phase
- Built-in output isolation transformer
- Crystal controlled frequency 50/60 Hz \pm 0.1%
- LED and LCD display
- Surge, spike, blackout, brownout, overload and short circuit protection
- EMI/RFI and power line noise protection
- Double overload protection
- Battery equalize function (option)
- Output frequency synchronization range selectable
- Manual controlled transfer switch 3 modes selectable
- SNMP/HTTP monitor capability (option)



www.leonics.com
ISO 9001
14001

TRUE ON-LINE DOUBLE CONVERSION SINE WAVE UPS (LED and LCD DISPLAY)

LEONICS UPS with range from 350 VA to 250 kVA is also widely used to protect electronic equipment such as computer networks, PABX, telecommunications, medical and scientific equipment, etc. from blackout, brownout, surge, spike, noise and frequency drift.

SPECIFICATIONS



TIS 1291-2545



LEONICS CO.,LTD. A5043 ISO 9001



ISO 14001
EMS 01007/045

MODEL		NB 0831	NB 1031	NB 1231	NB 1531	NB 2031	NB 2531	NB 3031	NB 4031
CAPACITY	Pf. = 0.8	8 kVA	10 kVA	12 kVA	15 kVA	20 kVA	25 kVA	30 kVA	40 kVA
		6.4 kW	8 kW	9.6 kW	12 kW	16 kW	20 kW	24 kW	32 kW
INPUT	Voltage	380 Vac 3 phase 4 wires							
	Voltage range	380 Vac ± 20%							
	Frequency	50 Hz ± 6% at nominal voltage							
OUTPUT	Voltage	220 Vac ± 1%							
	Frequency	nominally locked to line frequency, free running 50 Hz ± 0.1% (crystal controlled)							
	Wave form	pure sine wave (sinusoidal)							
	Total harmonic distortion	less than 3% at full linear load							
	Transient condition	<5% for 100% instantaneous load variation							
	Overload capability	150% for 1 min., 125% for 10 min.							
	Crest factor ratio	3:1							
	Protection	overload, over voltage, under voltage, short circuit proof and battery low voltage shutdown							
EFFICIENCY	AC to AC (at full load)	88%	90%	90%	91%	91%	92%	92%	92%
BATTERY	Type	sealed lead acid (maintenance free) rechargeable							
	Voltage	360 Vdc							
	Standard backup time	> 12 min.	> 10 min.	> 12 min.	> 10 min.	> 10 min.	> 10 min.	> 10 min.	> 7 min.
	Special backup time	15 - 60 min.							
	Recharge time	6-8 hours to 90% after full load discharge							
AUTOMATIC BYPASS SWITCH	Capability	300% for 5 minutes							
		1500% for 1 cycle							
SURGE PROTECTION	Standard	UL recognized surge protection to std.1449							
	Energy absorption	400 joules (10/100 microsec. wave form)							
	Surge current capability	40 kA (8/20 microsec. wave form)							
TRANSFER TIME	Mains fail or recover	zero time (true online UPS)							
	UPS to bypass and vice versa	zero time (make before break) after overload return to normal							
MANUAL CONTROLS	Maintenance bypass switch	yes							
	Automatic bypass switch	mode selectable : automatic bypass, inverter only, bypass only (option)							
INDICATOR	Front panel LED's	main 1 input / rectifier ,main 2 input, inverter, inverter supply, automatic bypass, maintenance bypass, low battery, over temperature, fault, battery level, load level							
	LCD Display	main 1 input voltage (V ₁₂ input voltage, V ₂₃ input voltage, V ₃₁ input voltage), main 2 input voltage, output voltage, % load, % battery							
AUDIBLE ALARM	Two tones with reset for silence	mains failure, fault, over temperature, battery approaches final discharge							
AUTOMATIC DETECTIVE AND SHUTDOWN WHEN NO LOAD		yes							
COMMUNICATION	Dry contract (DB 9)	yes							
	SNMP / HTTP capability	option (internal or external)							
ACOUSTIC NOISE	At 1 metre	<55 dBA							
FEATURE	Voltage free contact	main, inverter, static switch, battery, alarm and UPS fault status (standard)							
	Remote panel	option							
	Hot stand-by config	standard							
ENVIRONMENT	Temperature	0°C to 40°C							
	Humidity	0 - 95% (non-condensing)							
WEIGHT (Approximate in kg.)	UPS	191.5		237.5		337		458	510
	Battery cabinet	173				350			
PHYSICAL DIMENSIONS (Approximate in cm.)	UPS (W x H x D)	43 x 94.2 x 83				43 x 110 x 83		65 x 94.2 x 88	
	Battery (W x H x D)	43 x 31.2x 86.5				43 x 78.4 x 86.5			
	UPS include battery (W x H x D) (battery stack on UPS)	43 x 125.4 x 86.5				seperate (UPS and battery cabinet)			

Authorized Distributor: