On-Line UPS
Emerald Series

1kVA - 3kVA

Features:

- High performance true online double conversion technology
- DSP control
- 0.8 Output power factor
- Wide input range 110-300VAC
- High efficiency mode (ECO)
- Frequency converter mode
- Input THDi <5%
- Emergency power off function (EPO)

- Output voltage regulation <2%
- Output THDv <3%
- Auto self-testing system
- Fan speed control
- Power management software
- Multiple communication ports
- Optional SNMP, AS400 & relay card
- Temperature compensation

On-Line UPS

SPECIFICATIONS:

Model			Emerald 1	Emerald 1L*	Emerald 2	Emerald 2L*	Emerald 3	Emerald 3L*
Capacity	VA/W		1000VA/800W		2000VA/1600W		3000VA/2400W	
Input	Voltage Range		110 ~ 300VAC Depends on load Level					
	Frequency Range		45Hz ~ 55Hz / 54Hz ~ 66Hz					
	Phase		Single phase with ground					
	THDI		< 5% with Full load					
	Power Factor		≧0.99					
Output	Voltage		200/208/220/230/240VAC					
	Voltage Regulation		± 2%					
	Frequency (Synchronized Range)		45Hz ~ 55Hz / 54Hz ~ 66Hz					
	Frequency (Battery Mode)		50/60 ± 0.2 Hz					
	Current Crest Ratio		3:1					
	Harmonic Distortion		≦3% @ Linear Load ≦5% @ Non-Linear Load					
	Output Waveform		Pure Sine Wave					
	Overload Capacity	Line Mode	1 min @ 105% ~ 110% load 30s @ 110% ~ 120% load					
		Batt Mode	10s @ 125% ~ 150% load 1s @ >150% load					
Efficiency	Line Mode		>88%					
	BAT Mode		>85%					
	ECO Mode		>93%		>94%			
Battery	Numbers of Batteries		3	Depending on the capacity of external batteries	8	Depending on the capacity of external batteries	8	Depending on the capacity of external batteries
	Battery Type		12V/7Ah		12V/7Ah		12V/7Ah	
	Backup Time (Full Load)		＞5 minutes		＞9 minutes		＞5 minutes	
	Recharge Time		5 hours to 90%		5 hours to 90%		5 hours to 90%	
	Charging Current		1A	8A	1A	8A	1A	8A
Transfer Time	BAT <--> LINE		0ms					
	INV <--> BYPASS		<4ms					
	INV --> ECO		<4ms					
	ECO --> INV		<10ms					
Indicator	LCD		Load Level / Battery Level / Battery Mode / AC Mode / Bypass Mode / Fault					
Audible Alarm	Battery Mode		Sounding every 4 seconds					
	Battery Low		Sounding every second					
	Fault		Continuously sounding					
	Overload		Sounding twice every second					
Dimension	Tower Case (WxHxD) mm		145 x 220 x 400		192 x 347 x 460		192 x 347 x 460	
Environment	Operating Environment		0-45° C					
	Relative Humidity		20-90% (NON-CONDENSING)					
	Noise Level		<50dB @ 1 Meter					
Interface	USB		Software supports Windows Family, Linux, Sun Solaris, MAC					
	External Slot		SNMP/AS400/Relay Card					
	EPO		Emergency Power Off					

* L Series represent extended backup models
* Product specifications are subject to change without further notice