

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