

On-Line UPS

Diamantina RT Series



6kVA; 10kVA



Features:

- True online double conversion technology
- DSP Control
- Output Power Factor 0.9
- Wide Input Range 120 - 276VAC
- High Efficiency Mode (ECO)
- Frequency Converter Mode
- Input THDi <5%
- Output Voltage Regulation <1%
- Output THDv <2%
- Compact Design
- Extendable Run Time
- Dual Input (for 6-10kVA)
- Power Management Software
- Multiple Communication Ports
- Optional SNMP & Relay Cards
- Temperature Compensation
- Fan Speed Control
- PDU (for 6-10kVA)
- 1+1 Parallel for 6-10kVA

On-Line UPS

SPECIFICATIONS:

MODEL		Diamantina RT 6L	Diamantina RT 10L	
CAPACITY	VA/W	6000VA/5400W	10000VA/9000W	
INPUT		Based on load percentage (100%-50% / 50%-0%)		
	Voltage Range	Line Low Transfer	176VAC/120VAC ± 3%	
		Line Low Comeback	186VAC/130VAC ± 3%	
		Line High Transfer	276VAC ± 3%	
		Line High Comeback	266VAC ± 3%	
Frequency Range	50/60Hz auto sensing ; 50Hz: 45Hz ~ 55Hz / 60Hz: 54Hz ~ 66Hz			
Phase	Single phase with ground			
Power Factor	≥ 0.99			
OUTPUT	Voltage	220VAC/230VAC/240VAC		
	Voltage Regulation	± 1%		
	Frequency (Synchronised Range)	50Hz: 45Hz ~ 55Hz / 60Hz: 54Hz ~ 66Hz		
	Frequency (Battery Mode)	50/60 ± 0.1 Hz		
	Current Crest Ratio	3:1		
	Harmonic Distortion	≤ 2% THD (Linear Load)		
		≤ 5% THD (Non-Linear Load)		
Output Waveform	Pure Sine Wave			
EFFICIENCY	To ECO Mode	>96%	>97%	
	To AC Mode	>93%	>93%	
	To Battery Mode	>89%	>90%	
BATTERY	Battery Type	12V/9Ah		
	Numbers of Batteries	15	20	
	Backup Time (Full Load)	> 2.5 minutes	> 3.5 minutes	
	Recharge Time	<3 hours to 90%	<3 hours to 90%	
	Charging Current (Max.)	1.0A	2.0A	
	Charging Voltage	204.7Vdc	273.0Vdc	
TRANSFER TIME	AC to DC	0ms		
	Inverter to Bypass	0ms		
INDICATOR	Status	Load Level / Battery Level / Battery Mode / AC Mode / Bypass Mode / Fault		
AUDIBLE ALARM	Battery Mode	Sounding every 4 seconds		
	Battery Low	Sounding every second		
	Overload	Sounding twice every second		
	Fault	Continuously sounding		
DIMENSION	(WxHxD) mm	438 x 132 (3U) x 560	438 x 215.5 (5U) x 560	
WEIGHT	Net Weight (kgs)	18 (w/o battery)	32.5 (w/o battery)	
		46 (w/ battery)	82.5 (w/ battery)	
ENVIRONMENT	Operating Environment	0-40° C		
	Relative Humidity	0-95% (NON-CONDENSING)		
	Noise Level	<55dB @ 1 Meter	<55dB @ 1 Meter	
INTERFACE	USB	Software supports Windows family, Linux, and MAC		
	Smart RS-232	Software supports Windows family, Linux, Sun Solaris, IBM Aix, Compaq True64, SGI IRIX, FreeBSD, HP-UX, and MAC		
	SNMP (option)	Power management from SNMP manager and web browser		
* L Series represent extended backup models * Product specifications are subject to change without further notice				