

On-Line UPS

Diamantina Series



6kVA



Features:

- DSP Control
- 0.9 Output Power Factor
- Wide Input Range 110 - 276 VAC
- High Efficiency Mode (ECO)
- Frequency Converter Mode
- Input THDi <5%
- Output Voltage Regulation <1%
- Output THDv <2%
- Fan Speed Control
- Dual Input (for 3/1 10kVA/20kVA)
- Multiple Communication Ports
- Optional SNMP & Relay Cards
- Maintenance Bypass
- Dot Matrix LCD Display

On-Line UPS

SPECIFICATIONS:

MODEL	Diamantina 6	
CAPACITY	VA/W	6000VA/5400W
INPUT	Acceptable Input Voltage	110 ~ 276VAC
	Adjustable Bypass Voltage	110 ~ 276VAC
	Frequency Range	45Hz ~ 55Hz / 54Hz ~ 66Hz
	Phase	Single phase with ground
	THDI	<5% with R Full load
	Power Factor	≥0.99 @ R Full Load
OUTPUT	Voltage	208/220/230/240VAC
	Voltage Regulation	<1%
	Frequency (Synchronised Range)	45Hz ~ 55Hz / 54Hz ~ 66Hz
	Frequency (Battery Mode)	50/60 ± 0.05 Hz
	Current Crest Ratio	3:1
	Harmonic Distortion	≤2% @ Linear Load ≤5% @ Non-Linear Load
	Output Waveform	Pure Sine Wave
	Overload Capacity	2min @ 105% ~ 125% load 30s @ 125% ~ 150% load 1s @ >150% load
	Parallel	Up to 4
EFFICIENCY	Line Mode	>92% @ Full Load and Battery Fully Charged
	BAT Mode	>92% @ Full Load and 12VDC/Battery
	ECO Mode	>96% @ Full Load and Battery Fully Charged
BATTERY	Number of Internal Batteries	20
	Battery Type	12V/7Ah
	Backup Time (Full Load)	>5 minutes
	Recharge Time	5 hours to 90%
	Charging Current (max)	1.2A
	Rated Battery Voltage	240VDC
TRANSFER TIME	BAT <--> LINE	0ms
	INV <--> BYPASS	0ms
	ECO --> INV	<10ms
INDICATOR	LCD	Load Level / Battery Level / Battery Mode / AC Mode / Bypass Mode / Fault
AUDIBLE ALARM	Battery Mode	Sounding every 4 seconds
	Low Battery	Sounding every second
	Fault	Sounding continuously
	Overload	Sounding twice every second
DIMENSIONS	Tower Case (WxHxL) mm	260 x 708 x 550
ENVIRONMENT	Operating Environment	0-40° C
	Relative Humidity	0-95% (NON-CONDENSING)
	Noise Level	<50dB @ 1 Metre
INTERFACE	RS232/USB	Software supports Windows Family, Linux, Sun Solaris, IBM Aix, Compaq True64, SGI IRIX, FreeBSD, HP-UX, MAC
	External Slot	SNMP/AS400/Relay Card
	EPO	Emergency Power Off

* Product specifications are subject to change without further notice