

# ONLINE UPS HIGH FREQUENCY VARIANTS

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1KVA TO 6KVA



## Features

- Microprocessor controlled for optimal reliability
- Wide Input Voltage Range (110V to 300V)
- Built-in OVPD (Over Voltage Protection Device)
- Microprocessor controlled for optimal reliability
- Wide Input Voltage Range (110V to 300V)
- Built-in OVPD (Over Voltage Protection Device)
- Cold start feature (DC power on)
- RS232/USB for UPS parameters monitoring
- Emergency power off (EPO) (6kVA)

## Variants

- 1 KVA Online UPS with Built-in Batteries (2 x 9Ah )
- 1 KVA Online UPS – External Batteries (36V system, 3 x 12V batteries needed, Max. 120Ah x 3)
- 3 KVA Online UPS with Built-in Batteries (3 x 7Ah )
- 3 KVA Online UPS – External Batteries (72V system, 6 x 12V batteries needed, Max. 120Ah x 3)
- 6 KVA Online UPS – External Batteries (192V system, 16 x 12V batteries needed, Max. 100Ah x 3)

## Online (HF) UPS has following few application areas



Graphic Workstations



Network Servers



Data Processing Centers



Data Warehouses



BPOs



Tele Communication



Networking Equipments



Mini and Micro Computers



Medical Equipments



(First year parts and labour, 2<sup>nd</sup> year parts only)

Items in the box :

- 1 UPS, AC Power cord, 1 pair DC cable,
- 1 Management software with cable, User manual.

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# Technical Specifications



		Powersafe 1kVA Pro		Powersafe 3kVA Pro		Powersafe 6KVA
Model		BB	EB	BB	EB	6KVA
Capacity	VA/Watts	1000/800		3000/2400		6000/4800
<b>Input</b>						
Voltage Range (AC)		110 to 300VAC at 50% Load, 160 to 280V at 100% Load				
Built-in OVPD#		Yes				
Frequency Range		40 to 70Hz				
Phase		Single Phase with Neutral and Ground				
Power Factor		≥0.99 @ Nominal Input Voltage at Full Load				
<b>Output</b>						
Voltage		208/220/230/240VAC User Selectable				
Power Factor		0.8				
Regulation		± 1%				
Frequency	Mains	47 to 53 Hz			46~54 Hz	
	Battery	50Hz ± 0.25Hz			50Hz ± 0.1Hz	
Over Load (Bat Mode)	100-110%	Audible Warning				
	110-130%	Shutdown after 30 sec				
	>130%	Shutdown immediate				
Current Crest Ratio		3:1				
Harmonic	Linear Load	≤ 3%				
Distortion	Non Linear	≤ 6%			≤ 5%	
Transfer	Changeover	Zero				
Time	To Bypass	4ms (Typical)			Zero	
Waveform		Pure Sine wave				
Efficiency %	Mains	88		90		92
	Battery	83		88		90
Neutral Common		Yes				
<b>Battery</b>						
DC Bus Voltage		24	36	72	72	192
Number of Batteries		2	3	6	6	16
Built -in Battery		Yes	No	Yes	No	No
External Battery (AH)		NIL	18~120	NIL	18~120	18~120
Charging Current		1A	1/2/4/6A	1A	1/2/4/6A	1/2/4/6A
Charger Current Setting		Fixed	Adjustable	Fixed	Adjustable	Adjustable
Charging Voltage (±1%)		27.4	41.0	82.1	82.1	218.4
<b>Indications</b>						
LCD Panel		Load Level, Battery Level, AC Mode, Battery Mode, Bypass Mode and Fault				
<b>Physical</b>						
Dimensions mm (D x W x H)	Built-in	282x145x220		421x190x318		369x190x318
	External			397x145x220		
Net Weight		9.8Kg	4.1Kg	27.6Kg	7.4Kg	12 Kg
<b>Environment</b>						
Operating Humidity		20-90% RH @ 0-40C (Non Condensing)				
Noise Level @ 1 meter		< 55dBA			< 55dBA	
<b>Management</b>						
Communication Port		Serial/USB				
Optional Intelligent Slot		Supports Windows 2000/2003/XP/Vista/2008/7/8, Linux, Unix and Mac				
		Power Management from SNMP manager and web browser				

#OVPD : Over Voltage Protection Device \*Specifications subject to change without prior notice

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