

VFI - B UPS

POWER
Inspired

Independent
Frequency
Voltage

Professional Grade UPS from
1.5-3KVA, with best in class
output power factor of 0.9.

Fully featured rack/tower unit.



Rack-Tower convertible



Electronically Rotating LCD display



Multifunctional bracket



The series has matching
Battery Cabinets(Optional)



1.5KVA 3KVA
Rear Panel

- 1.Intelligent slot
(SNMPcard,Dry contact etc.)
- 2.USB port
- 3.RS232 port
- 4.FAN
- 5.Input breaker
- 6.RJ45 surge
Suppression port
- 7.Input Connector
- 8.High current output connector
- 9.Output connectors
(2 banks)
- 10.EPO (Emergency Power Off)

Features

- High power density. Output power factor up to 0.9, provides 30% more true power.
- Rack and tower installation convertible.
- Three stage charging increases battery service life & shortens recharge time.
- Selectable High Efficiency mode of operation.
- Cold start function to startup the UPS on battery.
- RS232 & USB Communications Ports.
- Intelligent Slot Supports SNMP or Relay Card (Options).
- Programmable Load Shedding Feature when on
- Extended Runtime with Matching Battery Packs (Option).
- Emergency Shutdown Control through Emergency Power Off (EPO) Connector.
- Versatile LCD display.
- Hot Swappable Battery Trays provide simple and quick battery exchange without the need to power down loads.

Ease of Maintenance:
Hot Swappable Batteries on
UPS & Cabs



www.powerinspired.com/vfi-b

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SPECIFICATIONS

MODEL			VF1500B		VF13000B	
CAPACITY (VA/W)			1500V/1350W		3000VA/2700W	
INPUT	Voltage Range		200~290VAC at full load			
	Frequency Range		45~55Hz at 50Hz/55~65Hz at 60Hz(auto-detect)			
	Phase		Single phase with ground			
	Current THDI		<7%(100% nonlinear load)		<7%(100% nonlinear load)	
	Power Factor		≥0.98			
	Generator Input		Support			
	breaker		7A		25A	
	Input Socket		IEC320 C13-10A		IEC320 C20-16A	
AC power cord		IEC320 C14-10A		IEC320 C19-16A		
OUTPUT	Voltage		200/208/220/230/240VAC			
	Power Factor		0.9			
	Voltage Regulation		±2%			
	Frequency (Line Mode)		46~54Hz at 50Hz/56~64Hz at 60Hz			
	Frequency(Battery Mode)		50/60Hz±0.02Hz			
	Current Crest Ratio		3:1			
	Harmonic Distortion		≤3% THD(Linear Load)			
			≤5% THD(Non-Linear Load)			
	Output Waveform		Pure Sinewave			
	Outlet		(IEC C13-10A)×6		(IEC C13-10A)×8 (IEC C19-16A)×1	
EFFICIENCY	AC Mode	Full load≥89%				
	Battery Mode	Full load≥84%				
	ECO Mode	Full load≥94%				
BATTERY	Number of Batteries		3		6	
	Battery Type		12V/9Ah		12V/9Ah	
	Backup Time		Estimated remaining time displayed on the LCD			
	Recharge Time(to 90%)		5 Hours		5 Hours	
	Charging Current(Max)		1.0A		1.0A	
	Rated Battery Voltage		36Vdc		72Vdc	
	charge mode		3-stage charging			
	Protect		Over-voltage /Over-current /Low-voltage			
TRANSFER TIME	Mains Battery	0ms				
	Mains Bypass	<4ms				
OPTIONAL FEATURES	ECO Mode		Supported			
INDICATOR	LCD Version(with LED)		Load/Battery/Input/Output/Operating Mode Information			
AUDIBLE ALARM	Battery Mode		Sounding every 4 seconds			
	Low Battery		Sounding every second			
	Overload		Sounding twice every second			
	Fault		Continuously Sounding			
PHYSICAL	Dimension(W×D×H)mm		440×430×86.5		440×690×86.5	
	Net Weight(kg)		16.2		29.2	
ENVIRONMENT	Safety		CB			
	Operating Environment		0~40°C			
	Relative Humidity		0~90%(non-condensing)			
	Altitude		<1500m			
INTERFACE	Noise Level		<55dB at 1Meter			
	Smart RS-232/USB		Software supports Windows Family, Linux, FreeBSD			
	Intelligent Slot		SNMP(independent to RS232)			
MODEL			BP1500B		BP3000B	
RATING			36Vdc 18Ah		72Vdc 18Ah	
INPUT	Voltage		208/220/230/240 VAC Nominal			
	Frequency		50/60Hz			
	Input Protection		Resettable Circuit Breaker			
OUTPUT	DC Voltage		208/220/230/240 VAC Nominal			
	DC Current		1.4A			
	Output Protection		Fuse			
BATTERY	Battery Type		Sealed Valve Regulated Lead Acid Maintenance Free Battery			
	Battery Arrangement		2 strings of 3x12V 9Ah		2 strings of 6x12V 9Ah	
	Recharge Time		8 hours to 90%			
PHYSICAL	Dimensions (WxDxH) mm		440×430×86.5		440×690×86.5	
	Net Weight(kg)		24		46	
Accessories			User Manual, AC Input Cord, Vertical Support Extenders, Rack Ears			

* If rated input voltage select to be 200V , the low limit is 180V. If rated input voltage select to be 208V , the low limit is 190V.
Under other condition the low limit is 200V.