

# VFI-TX UPS



Isolated  
Tower  
Online Double Conversion



- Available from 1-10KVA
- VFI Technology
- Built in Isolation Transformer
- Tower Format on Wheels
- Extended Run Capable
- Intelligent Port for SNMP / Relay Options
- Adjustable Charge Current
- Adjustable Output Voltage
- Frequency Conversion Mode

## Online Double Conversion Topology Protects Against the 9 Recognised Power Quality Problems

✓ Blackouts ✓ Sags ✓ Spikes ✓ Under Volts ✓ Over Volts ✓ Noise ✓ Frequency ✓ Transients ✓ Harmonics



## Built in Input Transformer Adds True Galvanic Isolation

- Provides True Galvanic Isolation for Superior Noise Rejection and Power Protection Performance.
- Input Transformer Prevents Transformer Regulation Issues
- True Floating Design Provides Highest Levels of Safety where RCD Protection is Compromised.
- No N-E Bond - Can Be Safely Connected if Required.



### Ease of Installation

- All units over 30kg are fitted with lockable wheels for ease of installation.
- Bespoke cable sets and Commando Plug / Socket kits available.



### Extended Run Capability

- All units can have runtime extended by the addition of battery cabs
- 1-3KVA Models have built in high capacity chargers.
- Large capacity battery packs with built in chargers available across the range

# SPECIFICATIONS

MODEL	VFI1000TX	VFI3000TX	VFI6000TX	VFI8000TX	VFI10KTX
CAPACITY*	1000VA/900W	3000VA/2700W	6kVA/6kW	8kVA/8KW	10kVA/10kW
<b>INPUT</b>					
Voltage Range	180~300VAC (Full Load) 130VAC~300VAC (<60% Load)				
Frequency range	46~54Hz (50Hz System) 56~64Hz (60Hz System)				
Phase	Single Phase w Ground				
Power Factor	≥0.98 @ 100% Load				
<b>OUTPUT</b>					
Output Voltage	208/220/230/240VAC				
AC Voltage Regulation	±1% (Battery)				
Frequency (Synchronised)	As input				
Frequency (Battery)	50±0.1Hz or 60±0.1Hz				
Overload	AC Mode	TBA	100~110%: 10min, 110%~130%: 1min, >130%: 1sec		
	Battery Mode	TBA	100~110%: 30sec, 110%~130%: 10sec, >130%: 1sec		
Current Crest Ratio	3:1				
Harmonic Distortion	<2% @ 100% Linear Load, <6% @ 100% Non-linear load				
Transfer Time	Line ↔ Battery	0ms			
	Inverter ↔ Bypass	4ms			
	Inverter ↔ ECO	<10ms			
Waveform	Pure Sinewave				
<b>EFFICIENCY</b>					
AC Mode	≥75%	≥82%	≥88%		
ECO Mode	≥80%	≥85%	TBA		
Battery Mode	≥87%	≥90%	≥88%		
<b>BATTERY</b>					
Type	12V/7Ah	12V/9Ah	12V/7Ah	12V/9Ah	12V/9Ah
Qty	3	6	20	20	20
Charge Current	1-4A		1A		
<b>PHYSICAL</b>					
Dimension WxDxH (mm)	190x421x318	190x426x448	250x592x826		
Net Weight (kg)	30.1	42.1	117	142	142
<b>ENVIRONMENT</b>					
Operating Temperature	0~40°C (Note diminished battery life at >25°C)				
Humidity	20-95% RH Non Condensing				
Altitude	<1000m. Derate unit 1% for every 100m climb in altitude				
Noise Level	<50dBA @ 1m				
<b>MANAGEMENT</b>					
Smart RS232 or USB	Supports Windows, Linux, Unix & MAC Platforms				
Intelligent Slot	Supports Power Management from SNMP manager & web browser. Supports Relay Card				

\* Capacity is derated to 50-80% when operating in frequency converter mode and 80-90% at 200/208V output.

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DOC: BR-UPS-VFI-TX Rev 1.0