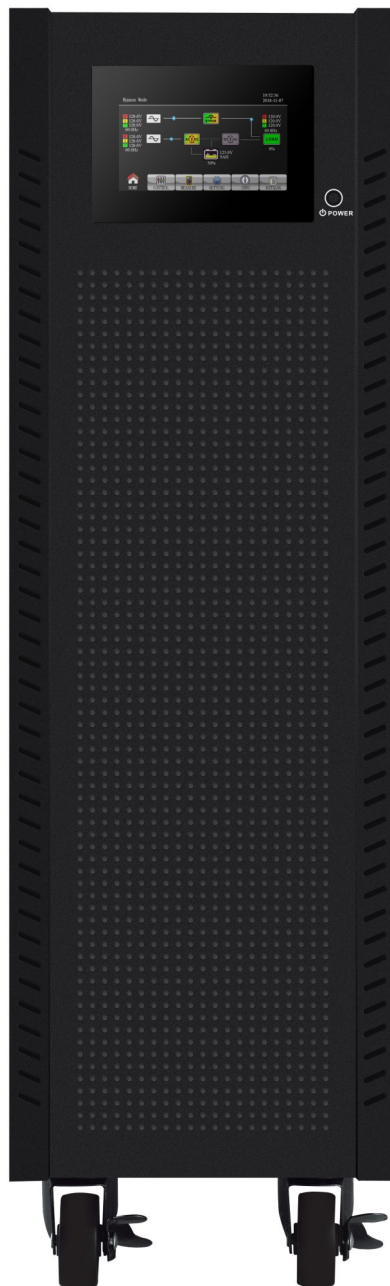
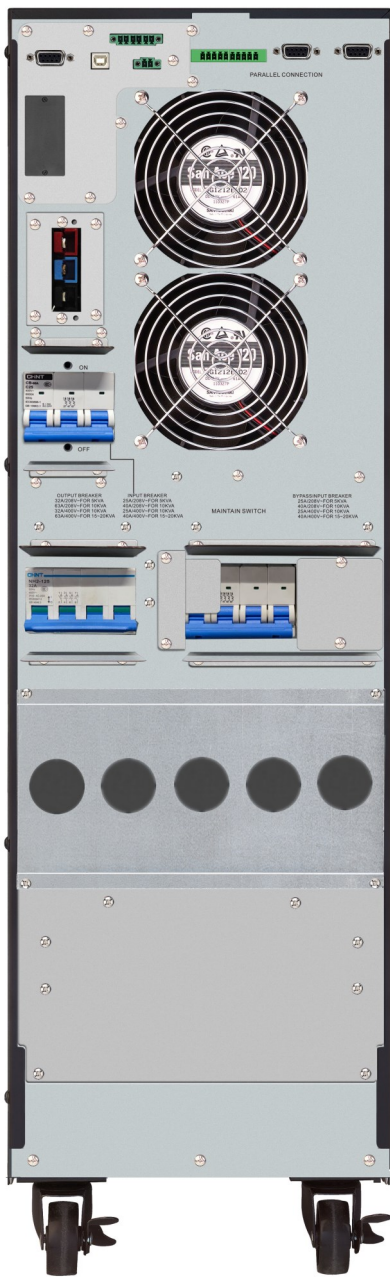


VFI-3PT+

Voltage and Frequency Independent (VFI) Uninterruptible Power Systems for three phase applications. High efficiency, small form factor with built in batteries, comprehensive colour LCD, advanced communication options.



- Touch screen colour LCD for full UPS status and set up
- Built in Dry Contact can communicate UPS Status to building management system or external alarm.
- USB & RS232 Communication Ports for serial communication to computer.
- SNMP Interface Slot for network management.
- Emergency Power Off (EPO) Function allows full UPS shutdown in emergency.
- Highly efficient inverter with ECO mode operation for further efficiency.
- Built in batteries and small footprint for ease of installation.
- Gland plate provides professional connections and cable restraint.
- Full power factor correction on all phases and unity power factor.
- Frequency converter function can provide 50 or 60Hz output

SPECIFICATIONS

MODEL	VFI10K-3PT+	VFI15K-3PT+	VFI20K-3PT+
PHASE	3Φin/out		
CAPACITY	10KVA/KW	15KVA/KW	20KVA/KW
PARALLEL CAPABILITY	Up to 4 units		
INPUT			
Nominal Voltage	400VAC 3Φ+N		
Voltage Range	176-276VAC ± 3% per phase		
Power Factor	≥0.99 @ 100% Load		
Harmonic Distortion (THDi)	<4% at full linear load		
OUTPUT			
Output Voltage ¹	360/380/400/415VAC (3Φ+N)		
AC Voltage Regulation (Batt Mode)	± 1%		
Frequency Range (Synchronized Range)	46-54Hz or 56-64Hz		
Frequency Range (Batt Mode)	50±0.1Hz or 60±0.1Hz		
Current Crest Ratio	3:1 (max)		
Harmonic Distortion	≤2% THD (Linear Load), ≤5% THD (Non-linear load)		
Transfer Time	AC→Battery	Zero	
	Inverter→Bypass	Zero	
Waveform (Batt Mode)	Pure Sine		
Overload Capability	AC Mode	110%max for 60mins; 125%max for 10mins; 150%max for 1 min	
	Batt Mode		
BYPASS INPUT (OPTION)			
Nominal Voltage	360/380/400/415VAC (3Φ+N)		
Voltage Range	-30% - +20% (Adjustable)		
Frequency Range (Synchronized)	46-54Hz or 56-64Hz		
Overload Capability	> 130% for 1 minute (default)		
EFFICIENCY			
AC Mode	95.5%		
ECO Mode	98.5%		
Battery Mode	94.5%		
BATTERY			
Battery Type	12V 9Ah		
Numbers	10+10	16+16	
Typical Recharge Time	9 hours recovery to 90% capacity		
Charging Current	1-12A (Adjustable)		
Charging Voltage	± 136.5VDC	± 218VDC	
INDICATORS			
LCD Panel	UPS Status, Load Level, Battery Level, Input/Output Voltage, Discharge Timer, Fault Conditions		
PHYSICAL			
Dimensions (WxDxH) mm	250x630x826		
Net Weight (kg)	124	139	
ENVIRONMENT			
Operating Temperature	0-40°C		
Operating Humidity	<95% non condensing		
Altitude ²	0-1500m at full load		
Noise Level	<60dB@1m	<65dB@1m	
MANAGEMENT			
Smart RS232 / USB	Compatible with Windows, Linux, MAC		
Intelligent Slot	Support for SNMP manager or AS400 card		
Dry Contact (Built in)	Configurable input / output relay alarm and control.		

1. If the output voltage is set as 360VAC, the output power will be derated to 90%

2. Output power should be derated by 1% for each 100m over maximum altitude

Although every effort is made to ensure accuracy of this document, information is provided for guidance only and does not form part of any contract. Specifications are subject to change without notice.