

# power Inverter

## XIV SERIES

1KVA / 2KVA / 3KVA

With Auto Transfer Switch



## Introduction

With Microprocessor based design, the XIV Power Inverter series allowing you to configure main parameters easily through the keypad and LCD display on the front panel. In addition, the APC (Advanced Polarity Check) technology applied to replace old-style fuse and diode, which warned you reversed polarity. Furthermore, its 2U rack-mount size makes this model suitable for limited space and is ideal for handling sensitive loads for telecom and network field application.

## Feature

- Reversed Polarity Protection by the APC (Advanced Polarity Check).
- Input DC Voltage Settable for Alarm and Shutdown.
- Adjustable Output Voltage; depends on your needs.
- Ground Fault Alarm.
- Records Event Log of Inverter.
- Built-in Transfer Switch.
- Monitoring & Control with LCD display
- Fan's speed controlled by temperature.
- 50 / 60 Hz Output Frequency Auto Sensing.
- Dry Contact Alarm and RS-232 (Optional)



# Specification

Model		XIV-10	XIV-20	XIV-30
Rating Capacity		1 KVA	2 KVA	3 KVA
DC Input	Nominal Voltage	DC 24 V DC 48 V DC 125 V	DC 24 V DC 48 V DC 125 V	DC 48 V DC 125 V
	Voltage Range	24 VDC (21~31VDC) 48 VDC (42~64VDC) 125 VDC (105~150VDC)		
	Connections	Hard-wired connection		
	Efficiency (full load)	>87% at 24VDC ; >90% at 48V ; >91 at 125V		
Utility Power (By pass)	Nominal Voltage	115VAC or 230VAC (pls. specify) $\pm$ 25%		
	Frequency	50Hz or 60Hz $\pm$ 3Hz		
	Protection	AC Circuit Breaker		
AC Output	Output Power	800W	1600W	2400W
	Max. Surge Power	1200W	2400W	3600W
	Voltage	115VAC or 230VAC (pls. specify), re-settable $\pm$ 10% of rating voltage via front panel		
	Voltage Regulation	<2% at linear load		
	Frequency	50 or 60Hz $\pm$ 0.1% auto sensing by AC power source		
	THD Distortion	<3% at linear load		
	Waveform	Pure Sine Wave		
	Crest Power	3:1		
ATS	Operating Mode	ON line Mode (DC priority)		
	Transfer Time	Inverter to Utility: 9~12 mS ; Utility to Inverter : 12~20mS		
Protection	Short Circuit	Inverter shut-off		
	Overload	105%~125% for 60 seconds / 126%~150% for 30 seconds; >151% for 1 seconds / Switch to bypass		
	DC Polarity Reverse	Advanced Polarity Check (APC)		
Indicator	LCD Display	Input/Output: Voltage/Frequency, DC: Voltage/Current, Loading: Current/Percentage, Temperature: Operating/Over, Polarity Reverse, Event Log		
	LED Display	AC Input, Inverter/Bypass, Fault/Load, DC Input		
Communication	Interface Port	RS-232C and dry contact (option) SNMP serial port (external type, option)		
Environment	Operating Temperature	0 °C to 40 °C		
	Relative Humidity	0~90%, non-condensation		
Dimension	W x D x H	432 x 488/510 x 89 (2U), mm		
Weight	Net Weight	10 Kg	12 Kg	13 Kg

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