



# High performance **INVERTER**

for provide extended backup

## **X-VERTER** 1524SC



The series X-Verter is an advanced Line-Interactive Uninterruptible Power System which produces pure sine wave power to your equipment; unlike the traditional off-line UPS, the series provides very short transference when blackouts happen, and zero transference from AC mode to battery mode and vice versa.

The voltage regulation of the series is similar to an On-line UPS; however, the series provide efficiency over 98% under normal power condition. Two charge modes, quick charge and trickle charge, are provided to maintain the batteries in the best condition.

### **FEATURES**

- Pure sine wave output.
- Microprocessor based design.
- True Line-Interactive structure.
- Smartest charging, fast & stable.
- Zero Transference.
- Real time auto-detection for battery condition.
- Remote LCD display.
- RS-232 interface for communication, compatible with all major O.S., including Windows, Linux, SCO UNIX, & DOS.
- Protection for overload, short circuit, & over heat.

**X-VERTER**



LCD connection panel

Battery connector (48V)



NEMA 5-15R 4 outputs



Outputs and AC power alimentation





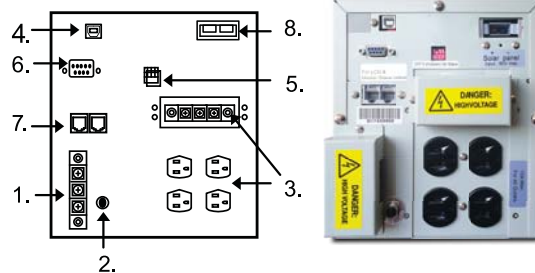
## X-VERTER 1524 SC

<b>Model</b>	
<b>Capacity</b>	1500VA / 1200W
<b>Input</b>	
Voltage	Selectable 100/110/115/120V 1 $\phi$ or 220/230/240V 1 $\phi$
Voltage range	-21% ~ +22% for 5% AVR or -34% ~ +36% for 8% AVR
Frequency	50Hz/60Hz Auto detect
Current (110/220V)	17A / 8.5A
<b>Output</b>	
Voltage	100/110/115/120V 1 $\phi$ or 220/230/240V 1 $\phi$ $\pm$ 3% for Back-up Mode
AVR	< $\pm$ 5 for AVR or $\pm$ 8% for AVR (optional)
Frequency	50Hz or 60Hz $\pm$ 0.1Hz
Wave Form	Pure Sine Wave
Current (110/220V)	14A / 7A
Transfer time	3.5m typical
<b>Battery</b>	
Voltage	24V Lead-Acid, maintenance free battery
Level Ind.	LCD
Charging current	25A Max.
<b>LED/Alarm indication</b>	
Normal power	No Beep
Back up Mode	2 Beeps/4sec. (Transfer to backup mode)
Abnormal Freq. of city power (Frequency >65Hz or < 47Hz)	2 Beeps/4sec. (Transfer to backup mode)
Abnormal voltage of city power (Out of AVR range)	2 Beeps/4sec. (Transfer to backup mode)
Abnormal voltage of city power Too high - Too Low	No Beep. (AVR in operation)
Low battery alarm	4 Beep/sec.
Battery fail alarm	8 Beep/sec.
Over load alarm	Continuously
Thermal alarm	3 beeps/2sec. Silence/2sec.
<b>LCD indicators/Load level indication</b>	Load level - DC star / alarm reset - Green power function - RS-232 interface
<b>Environment / humidity</b>	0 - 37 $^{\circ}$ C 30-95% Non-condensing
<b>Dimensions (LxHxW) cm</b>	45 x 20 x 18
<b>Shipping Dim. (LxHxW) cm</b>	54 x 33 x 30
<b>Weight (N.W. / G.W.) Kgs</b>	18.5 / 19.5

### Features:

1. Input terminal
2. Input auto fuse
3. Output terminal & socket
4. USB Communication Interface
5. DIP switch
6. RS-232 port
7. RJ-45 for connecting to remote LCD Display
8. Solar panel input connection

### REAR PANEL



### FRONTAL PANEL



### Solar Charger(MPPT, Optional)

Rating voltage	24V
DC input range	24V model : 24 ~ 42Vdc
Charging method	Constant voltage with current limiting by PWM control
Charging voltage	24V model : 27.0Vdc
Power rating	24V model : 1000W (27.0Vdc @ 37A)
Protection	DC input polarity protection, DC input short circuit protection (when battery is connected), DC output over current protection, over heat protection.

Specifications are subject to change without notice

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