



# X-VERTER



sine-wave intelligent line interactive inverter for extended back up time.



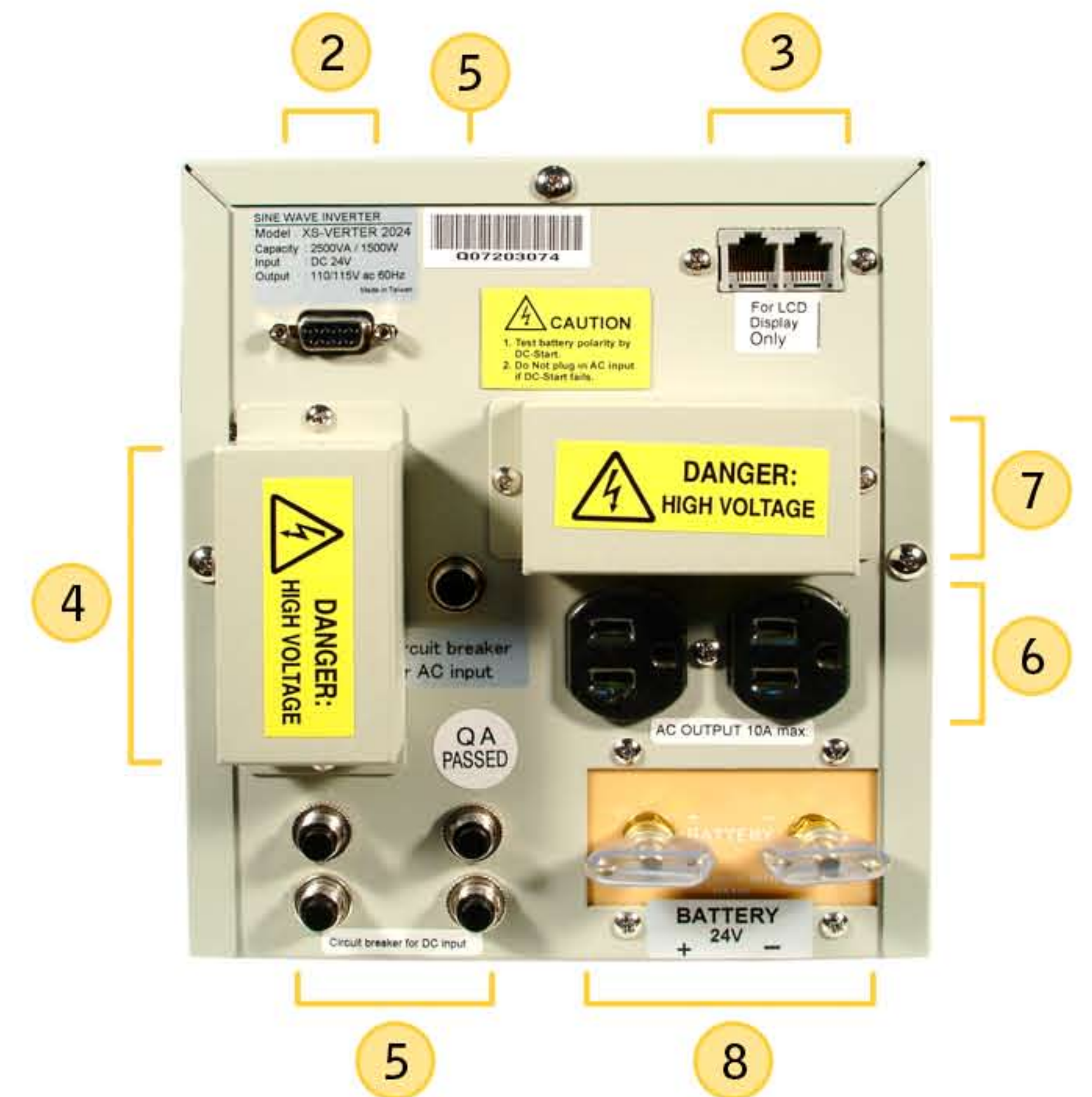
X-VERTER 2024



X-Verter series is a hybrid that combines the best of CDP's ups technology and an inverter. The result is a unique and sophisticated product that offers similar protection of a ON-LINE Ups. The X-Verter provides sine-wave output, Voltage regulation, and zero transfer time between AC and battery. Unlike an Online ups the X-Verter work with all types of batteries and backup time is customizable to user requirements. The powerful 16 amp intelligent charger quickly and safely recharges batteries. The X-Verter series was designed to replace online ups, generators and traditional invertors in an intelligent customizable solution that provide clean stable power at all times. Engineered for regions and countries with chronic power problems where critical equipment needs to operate. Applications include ATM, Security networks, computer science centers, telecom or refrigeration. Flexible electrical AC or DC power source allow operation in areas where utilities are not present such as automotive connection, Solar-chargers or gen sets. The included Software allows local and remote monitoring and un-attended shut down of OS. The optional SNMP module allows for www monitoring. The remote LCD control panel permits the X-Verter to be installed in remote locations. (Optional)

## Properties

- 1 Control Panel
- 2 Interface RS-232 port to PC
- 3 LCD panel connection
- 4 Input hard wire
- 5 Reset overload protection breaker
- 6 Battery backup and surge protection outlets (2) NEMA 5-15R
- 7 Output hard wire
- 8 Hard wire (24V)



## Characteristics

- Pure Sine wave output.
- Zero transfer time to battery.
- Micro processor controls for greater reliability.
- Powerful self regulating 16 amp charger keeps batteries at peak power levels.
- Wide input voltage range allow for operation in the most severe of power conditions without depleting batteries.
- Powerful MOV bases multi level surge protection Plus phone/DSL, Ethernet data lines protection.
- Over load detection circuits protect internal circuits and provide a balance between max out-put and usable back up time.

## Characteristics

- Remote LCD display provides control and monitoring up to 100 meter from unit.
- Intelligent monitoring software via RS232 connection.
- SNMP compatible.
- Cold Start function allows for Xverter provide AC power from external batteries.
- 2 year all inclusive warranty.
- See our [www.cdpu.com](http://www.cdpu.com) for available battery cases and outdoor enclosures.



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Specifications table\*

model	x-verter 2024			
Capacity	VA / W	2000 VA / 1500 W		
Input	Range	90 - 148 VCA		
Voltage Rank*	*Base on load percentage	40%	60%	100%
	Battery transfer for low voltage	90 VCA	90 VCA	90 VCA
	Back on for low voltage	90 VCA	90 VCA	90 VCA
	Battery transfer for high voltage	148 VCA		
	Back on for high voltage	142 VCA		
	Frequency Range	46 Hz ~ 54 Hz / 56 Hz ~ 64 Hz		
	Input Fase	1 Fase 120V w/ground		
	Power Factor	0.75		
Output	Voltage	110 / 115 VCA		
	Voltage regulation	± 8%		
	Frequency Range	50 / 60 Hz ± 0.1 Hz		
	Crest factor	3:1		
	Harmonic distortion	≥ 5% THD (with linear load)		
	Voltage Waveform	Pure Sine		
Efficiency	Normal mode	85%		
	Backup mode	83%		
Battery	Battery type	Sealed free maintenance		
	Battery capacity	12V (50 Ah min. - 300 Ah max.)		
	Battery Voltage	24 Vdc		
	Backup time	10 minutes up to 8 hrs.		
	Charging time	X		
	Charging current (max)	15 A		
	Charging voltage	27.4 Vdc. ± 0.6 V		
Transfer time	CA to CD	< 3 ms		
	Inverter to Bypass	X		
Dimensions	(L x H x M) mm	450 x 200 x 180		
Weight		17 kgs		
Operation environment	Temperature	0 - 40° C		
	Realtive Humidity	30% - 95% (non condensing)		
	Audible noise	< 45 db @ 1 meter		
Interface	Smart RS - 232	Softwate supported by Windows 98 / NT / 2000 / Me / XP / 2003 / Vista, Linux, Novell y FreeBSD		
	AS 400 / SNMP	Optional thru Smart RS - 232		
Accesories	Compatibility	Batteries, Battery Cases, LCD Panel, Outdoor Enclosures and PDU		

\*Specifications are subject to change without notice.

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**LCD**  
Control Panel  
Optional



Recommended accesories

**B12V - 100Ah**  
30kg / 350x195x275 / 6mΩ

**B12V - 150Ah**  
45.5kg / 490x170x420 / 4mΩ



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