

Smart online ups user manual

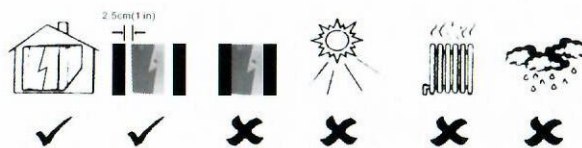
Initial start-up

To obtain warranty coverage, Please fill out and return the warranty registration card now.

Inspection

Inspect the UPS receipt. Notify the carrier and dealer if there is damage. The packaging is recyclable; save it for reuse or dispose of it properly.

Placement



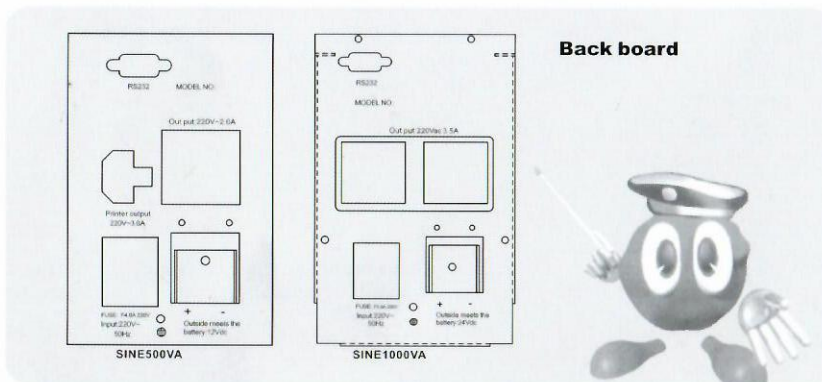
Install the UPS in a protected area that is free of excessive dust and has adequate air flow. Do not operate the UPS where the temperature and humidity is outside the specified limits.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the warranty.

Charge the battery

The UPS charges its battery whenever it is connected to utility power. The battery will charge fully during the first 8 hours of normal operation. Do not expect full runtime during this initial charge period.

Rear Views



Connect Computer interface Port (optional) (The USB connection only limits 600VA and 1200VA)

Power management software and interface kits can be used with this UPS. Use only kits supplied or approved by the manufacturer. If used, connect the interface cable to the 9-pin computer interface port on the back panel of the UPS. Secure the connector's screws to complete the connection.

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Low Battery Warning Interval

By default, the battery warning occurs when there are approximately two minutes of on-battery run time remaining. This may not be enough time to gracefully shut down some protected computer systems.

Operating Instructions

Switch On-Switch off



Turn on machine method:

One, the unmanned value guards the pattern: The adjoint gives or get an electric shock into the municipal, being the electric voltage larger than 160 volt, the UPS will open automatically the machine enters the normal employment status.

Two, common model: Press the switch of UPS to press button two seconds are above, after (the machine of peak speakey calls, green, also the yellow light shines.) few second, the buzzer breakup speakey calls, the green light is bright, having the electricity output, can open pc and others to establish outside at this time, if need to be shut down, pressing UPS switch push button continuously the second is above.

Note : Whenever the UPS is plugged in and utility voltage is present, the charger maintains battery charge.

On Battery

During on-battery operation, the yellow light is bright, and the intermittent speakey in UPS calls. The alarm stops when the UPS returns to on-line operation.

Low Battery

When the UPS is operation on-battery and the energy reserve of the battery runs low, the UPS beeps continuously until the UPS shuts down from battery exhaustion or returns to on-line operation.

Shutdown Mode

If there is no utility power present, a host system connected to the computer interface port and the UPS to shut down. This is normally done to preserve battery capacity after a controlled shutdown of the protected system. In shutdown mode the UPS stops supplying power to the load, waiting for the return of utility power.

Overload

When load's exceed the UPS capacity, the red light is bright. The UPS emit a sustained tone, and the input circuit breaker may trip.

Cold Start

When the UPS is off and there is no utility power, it is possible to cold start the UPS to power the loads from the UPS' s battery. (Suggesting restarting the UPS after unloading)

Note: Cold start is not a normal condition.

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Status Indicators

LED	Speakey	UPS-Status	Monitor-Status	UPS-Status
Green Led-on	None	UPS is supplying conditioned utility power to the load	Normal	Normal
Yellow Led-off Green Led-on	None	The battery recharge is over	Normal	Normal
Yellow Led-on	None	Recharge the battery	Normal	Normal
Yellow Led-on	Rapid beeping (every 4s)	UPS is supplying battery power to the load connected to the battery outlets	On Battery	Normal
Yellow Led-on	Rapid beeping (every 1s)	UPS is supplying battery power to the load connected to outlets and the battery is near exhaustion	Low Battery warning	Saveing 10 mins of rapid beeping
Yellow Led from on to off	From beeping to none	1.Low Battery 2.Overload	Stop	Stop
From Yellow on to green led on	From beeping (every 4s) to none	Utility Power is restored	Normal	Normal
Red Led-on	Constant tone	UPS fault	Stop	Stop

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Technical specification

Standard machine

Model		500/600	800/1000	1000/1200	1500
Capacity		300W/330W	480W/600W	700W/800W	1000W/1200W
INPUT	Phase	Two phase and Grounding			
	Frequency	50Hz/60Hz			
	Voltage range	145-280Vac / 80-145Vac			
OUTPUT	Voltage regulation	220Vac± 10% / 110Vac± 10%			
	Overload	130%Capacity			
	Waveform	Sine wave			
BATTERY	Type	7AHX1	7.2AHX1	7AHX2	7.5AHX2
	Voltage	12V		24V	
	Supply time	8Min	13Min	15Min	18Min
		1.pc+1.17 " mon		2.pc+2.17 " mon	
	Recharge time	8Hours			
THREE SHOW	Operating Temperature	-40℃-40℃			
	Relative humidity	30%-40%			
	Coolant conditions	Cooll by fan			
	Noise level	<55dB			
	Size	405x175x225(mm)		413x180x255(mm)	
	Weight	5.5kg	6.5kg	10.5kg	12.5kg

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Technical specification

Long time delay machine

Model		500/600	800/1000	1000/1200	1500
Capacity		300W/330W	480W/600W	700W/800W	1000W/1200W
INPUT	Phase	Two phase and Grounding			
	Frequency	50Hz/60Hz			
	Voltage range	145-280Vac / 80-145Vac			
OUTPUT	Voltage regulation	220Vac±10% / 110Vac±10%			
	Overload	130%Capability			
	Waveform	Sine wave			
BATTERY	Type	100AHX1	100AHX1	100AHX2	100AHX2
	Voltage	12V		24V	
	Supply time	3Hours		3Hours	
		1.pc+1.17 " mon		2.pc+2.17 " mon	
	Recharge time	8Hours			
THREE SHOW	Operating Temperature	-40℃-40℃			
	Relative humidity	30%-40%			
	Coolant conditions	Cool by fan, stop when battery is full			
	Noise level	<55dB			
	Size	405x175x225(mm)		413x180x255(mm)	
	Weight	4kg	4.5kg	8.5kg	9.5kg

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Business Fax Partner Function (Choice)

Connect with the specific power supply

Sine Prince 600/1200B Series which has the function "business FAX treasure", can solve the problem of the FAX receiving and dispatching when the electricity stop.

BFT function and the operation instruction

BFT, belong to Sine Prince Series, mainly designed for laser fax machines products. It contains functions of cold start, telephone signal start-up, non-signal automatic shut-down. It could receive and dispatch 50-100 fax pages automatically.

Supply by utility power

If the input voltage is less than 160V, the BFT will shift to the mode of battery-supply. In this situation the light in the front will turn to "yellow" automatically.

TECHNICAL SPECIFICATION

RATED POWER	600VA/1200VA	
ELECTRICITY MODE	INPUT VOLTAGE	165-265Vac / 95-125Vac
	INPUT FREQUENCY	50/60HZ
INVERT MODE	OUTPUT VOLTAGE	220Vac \pm 2% / 110Vac \pm 2%
	OUTPUT FREQUENCY	50/60HZ
	INVERSE TIME	MORE THAN ONE WEEK
FUNCTION	LIGHTNING STRIKE/SURGE PROTECTION	
	LOW-BATTERY-VOLTAGE	
	ELECTRICITY-RECOVER START SOUNDLESS-KEEPING	
	AUTOMATICAL ENERGE-SAVING	
	INTELLECTUALIZED MONITORING	
	GREEN SILENCE FUNCTION.	
	AUTOMATIC CHARGE	
ENVIRONMENT	-40℃-40℃ 1000FT HRMAX 95% NO FROZEN	

Storage Conditions

Store the UPS covered and upright in a cool, dry location, with its battery fully charged. Before storing, charge the UPS for at least 8 hours. Disconnect any cables connected to the computer interface port to avoid unnecessarily draining the battery.

Extended storage

- At -15 to 30℃ (+5 to +86°F), charge the UPS' s battery every 6 months.
- At +30 to 45℃ (+86 to +113°F), charge the UPS' s battery every 3 months.

Replaces the battery

The battery was one chemical substance, 2-3 annual meeting has in the certain degree the essential loss. If needs to replace please contact with the local business agent for consultation.

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Trouble shooting

PROBLEM	PROBABLE	SOLUTION
Utility power Normal but yollow led-on rapid beeping	Utility power is not available at the wall outlet	Ensure power is available at the wall outlet
Green led-on but equipment doesn't work	Load is disconnected	Ensure the load is connected and normal
UPS will not turn on	Battery is disconnected	Connect the battery
Rapid beeping (every 1s)	Low Battery	Recharge the battery for 8 hours
UPS can't supply by battery	Low Battery	Recharge the battery for 8 hours
The utility power fuse damage	Load is short -circuits	Ensure the load is good
Show "Warning" box on the monitor	1.Communication line disconnect 2.Low battery	Ensure communication Line connected

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Service

If the UPS requires service, please return it to the closest dealer.

Follow these steps:

1. Use the *Troubleshooting* section of the *Quick Reference Guide* to eliminate common problems.
2. Verify that no circuit breakers are tripped. A tripped circuit breaker is the most common UPS problem!
3. If the problem persists, call customer service.
 - Note the model number of the UPS, the serial number, and the date purchased. A technician will ask you to describe the problem and try to solve it over the phone, if possible. If this is not possible the technician will issue a Return Merchandise Authorization Number (RMA#).
 - If the UPS is under warranty, repairs are free. If not, there is a repair charge.
4. Pack the UPS in its original packaging. If the original packing is not available, ask customer service about obtaining a new set.
 - Pack the UPS properly to avoid damage in transit. Never use Styrofoam beads for packaging. Damage sustained in transit is not covered under warranty.
 - Include a letter with your name, RMA#, address, copy of the sales receipt, description of the trouble, your daytime phone number, and a check (if necessary).
5. Mark the RMA# on the outside of the package.
6. Return the UPS by insured, prepaid carrier to the address given to you by Customer Service.