



AMBER STAR 1KVA-5KVA

Line Interactive UPS Amber Star Series

Amber Star (1ph in / 1ph out)



Features:

1. Wide range of input voltage

The UPS can offer normal and stable service voltage under its input voltage range. When the input voltage is out of its range the machine will switch to battery mode automatically to keep the output power in order to protect the equipment, such as computers, ensure they will not be damaged by the over high or over low voltage, users can continue the operation of equipment for a while or save the data on computers while the power network is abnormal.

2. Wide range of AVR(Automatic voltage regulation)

In the product's input voltage range and under 3 steps of intelligent AVR function, it can provide a stable output voltage.

3. Automatic self detection when UPS on(LED).

Before the UPS on, red, yellow, blue LED will light up two times by cycle turns, after self detection UPS switch to AC mode/battery mode or working mode.

4. Silence function

In the "battery mode", shortly press the switch to turn off the buzzer. But the battery is about to run out or the load is too heavy, the buzzer sound cannot be muted.

5. Overload protection

In the battery mode, output voltage turn down correspondingly when it is overload, after the capacity of load is lower than the rated power then output voltage will back to rated value, it ensures the UPS will not shut down by abrupt overload which caused by surging current during the computer is working and other equipment is added.

6. Short circuit protection

When the mis-operation caused the load short circuit or computer failure (such as power tube breakdown of switch) cause short circuit, the UPS will shutdown automatically for protection.

7. The low current switch

This UPS adopts low current switch to extend the service life which is longer than conventional battery and high current switch in AC current path.

8. Automatic charging

There are two charging mode, charging time is faster than ordinary charging mode, higher efficiency, and greatly prolonging the service life of the battery.

9. With a bypass output

Independent bypass output socket for external printers or scanners of computer peripherals, with surge protection of the load.

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www.upsen.net

Technical Specification:

Model	AK	A1.5K	A2K	A3K	A1KL	A1.5KL	A2KL	A3KL	A5KL
Capacity (VA)	1000VA	1500VA	2000VA	3000VA	1000VA	1500VA	2000VA	3000VA	5000VA
Capacity (W)	700W	1050W	1400W	2100W	700W	1050W	1400W	2100W	3500W
Display	LCD								
AC Mode									
Input voltage range	145~275Vac								
Input frequency	50Hz (48Hz-54Hz)								
Output voltage range	200~240Vac								
Efficiency	≥96% (AC mode)								
Inverter Mode									
Output voltage range	220Vac±5%								
Output frequency	50±0.5Hz								
Output wave form	Pure sine wave								
Transfer time	Typical 2~6ms, Max.10ms.								
Overload capability	Automally shut down in 60sec while with 110% load, and shut down in 5sec while with 120% load								
BATTERY									
QTY & capacity of battery	2pcs*12V7Ah	2pcs*12V9Ah	4pcs*12V7Ah	4pcs*12V9Ah	External batteries(24V), capacity depends on user's choice.		External batteries(48V), capacity depends on user's choice.		
Charging period	6~8 hours recover to 90% capacity				Depends on the batteries connected.				
Charging current	2-5A				6-15A				
MANAGEMENT									
USB	Optional								
PROTECTION									
PROTECTIONS	<ol style="list-style-type: none"> 1. Auto re-starts when AC recovers 2. Automatic charging (offline charging) 3. Battery low voltage protection 4. Overload & Short circuit protection 5. Over current protection (Breaker for AC mode; System automatically shut down within 20ms in Inverter mode). 								
PHYSICAL									
Unit dimension (mm)	405*145*220		455*195*330		405*145*220		455*195*330		
Net weight (1pc, kg)	23.8	25.6	30.2	34.5	19.8	21.4	26.6	32.7	41.5