

# AidePlus

650VA ~ 850VA



## Applications

SOHO, PC, TV, ATM  
Commercial POS machine  
Small communication switch  
Routers, SOHO Network equipment  
Workstations and peripheral equipment

## Highlights

- ✓ Compact and ergonomic design
- ✓ 3 sockets protected against black-outs
- ✓ 3 sockets protected against overvoltage
- ✓ Auto restart
- ✓ Cold-start capability
- ✓ Effective protection
- ✓ Battery hot swappable

*AidePlus series UPS provides guaranteed power with surge protector for PCs and other electronics in home and office. It has more battery backup outlets than ever before, supplying battery backup power during outages and unsafe voltage fluctuations, as well as protection from damaging surges and spikes.*

## Features

### Microprocessor-based digital control technology

Faster and more accurate processing of data

### Wide Input Voltage Range

AidePlus UPS is capable of handling a wide input voltage range, supplying clean in extreme circumstances. It has excellent voltage regulation ability with an ultra-wide input voltage range 80 ~ 150Vac or 145 ~ 295Vac.

### Built-in AVR

AidePlus UPS provides stable power to connected devices in unstable power conditions. It has built-in automatic voltage regulator, safety running in a wide voltage range, reduces the using of battery, prolongs the life of battery, especially suitable for power fluctuations or poor power area, supplying clean power in extreme circumstances.

### Surge protection

Built-in precisely controlled power protection circuit, eliminate the interference of low voltage and surge, thus protecting the equipment against voltage spikes.

### Short-circuit and overload protection

A short circuit is an abnormal connection between two nodes of an electrical circuit, and can cause huge damage to the UPS and any equipment attached to it. AidePlus circuit protection device will protect against potential short circuit damage, overheating, fire or even explosions. AidePlus is also equipped with overload protection, meaning that the fuse will automatically be triggered when a load exceeds its value. Both protection devices ensure the safety and reliability of the UPS and any equipment that is attached to it.

### Auto sensing frequency

AidePlus UPS uses frequency adaptive technology. When UPS connect to mains with frequency 50HZ or 60HZ, the system will detect the frequency of mains power, and the output frequency will be the same as the detected frequency even when the mains power fails.

### High-speed synchronous conversion

AidePlus system can automatically track the mains phase, to ensure that the inverter output voltage and mains voltage are identical, decrease the transfer time and surge voltage, minimize the interference to electrical equipment.

### Cold start capability

In the absence of any AC input, the cold start function allows users to start AidePlus UPS with batteries, and without any damage to them or the circuits. Users can easily configure the UPS, even if no AC input is available.

### Intelligent battery management

- AidePlus series UPS adopt interactive design. When mains power is connected, AidePlus system will automatically charging the battery, even the UPS is OFF, to ensure the battery have enough power. When the mains power fails, AidePlus system will automatically switch to battery mode to provide sufficient runtime for the load saving data and safety shutdown.
- AidePlus UPS also be featured with battery temperature compensation to extend the battery life and three-stage charging to shorten recharge time, and with battery overcharge / over discharge protections as well.

### Intelligent power ON/OFF

- When the mains power is restored after discharge of the batteries, AidePlus UPS will automatically restart and self-diagnose to ensure the functionality of the UPS system and batteries.
- AidePlus system can detect load and automatically shut down in the no-load state (Optional). When the load is less than 5%, the system detects that it is under idling/no-load state, it will automatically shut down in about one minute, reduce losses, effectively extending the life of batteries.

## User friendly LED

The user friendly LED status panel provides instantaneous information of the UPS.

## Hot swappable battery function

Thanks to this function for battery replaceable without interruption.

## Dual USB charging ports (Schuko sockets panel only)

AidePlus UPS has two convenient USB charger ports with 5 V / 1A recharge mobile devices during an outage.

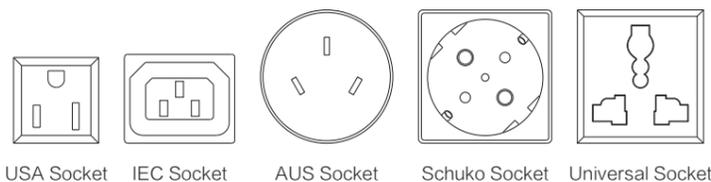
## Advanced multi-platform communications

RS232 / USB communication port (Optional).

## What do we get from using management software

- More customized functions.
- Settable battery discharge and low-voltage test. Through this function users can easily see batteries in good or bad condition.
- Timing boot/shutdown for UPS is available.
- Unattended Safe Shutdown by software. AWP Software is able to intelligently save the data and automatically shut down the sever or computer when a power failure occurs. This software allows the UPS to instruct the operating systems to close down a PC when it is running unattended. Users can set the parameters with which to schedule when the computer or server should shutdown, making sure that no significant data is lost and important backups are created.

## Available Sockets

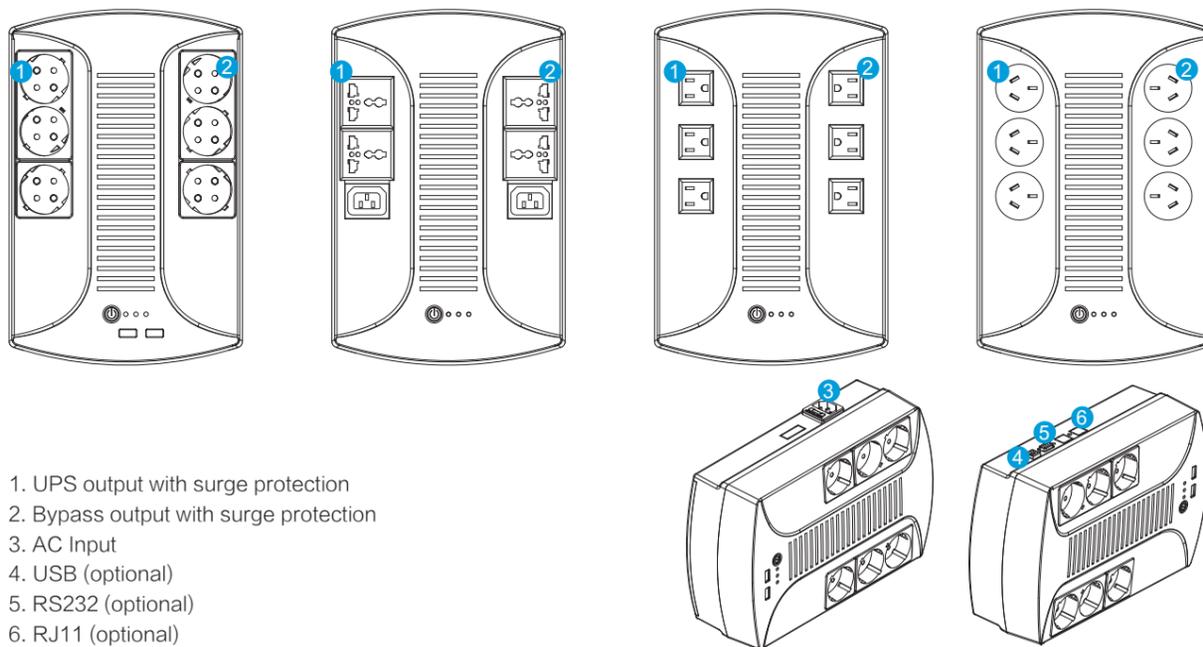


USA Socket IEC Socket AUS Socket Schuko Socket Universal Socket

## Available Options

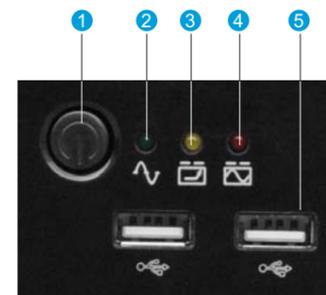
<b>Communication Ports</b>
RS232+RJ11
USB+RJ11
<b>Software</b>
UPSmart

## Details



1. UPS output with surge protection
2. Bypass output with surge protection
3. AC Input
4. USB (optional)
5. RS232 (optional)
6. RJ11 (optional)

## Control Panel



1. On / Off button
2. AC Normal Indicator (green)
3. Battery Charging Indicator (amber)
4. Back-up Indicator (red)
5. USB 5V/1A charger (Schuko sockets panel only)

## Technical specifications

MODEL	APS 650	APS 850
<b>Capacity</b>	<b>650 VA / 360 W</b>	<b>850 VA / 480 W</b>
<b>INPUT</b>		
Voltage	100 V / 110 V / 120 V: 80 ~ 150 Vac; 220 V / 230 V / 240 V: 162 ~ 295 Vac (145 ~ 295 Vac optional for 220V)	
Frequency	50 / 60 Hz ±10% (auto-sense)	
<b>OUTPUT</b>		
Voltage	100 / 110 / 120 Vac ±10% or 220 / 230 / 240 Vac ±10%	
Frequency	50 / 60 Hz ±1% (auto-sense)	
Waveform	Mains mode: Sinusoidal; Battery mode: Simulated sine wave	
Crest factor	3:1	
Transfer time	Typical 2 ~ 7 ms; Max. 10 ms	
<b>BATTERIES</b>		
DC voltage	12 V	
Configuration	12 V / 7.0 Ah × 1	12 V / 8.0 Ah × 1
Recharge time	6 ~ 8 h	
<b>COMMUNICATIONS</b>		
USB / RS232 / SNMP (optional)	Supports Windows® 98 / 2000 / 2003 / XP / Vista / 2008 / 7 / 8 / 10	
<b>OTHERS</b>		
Protections	Surge, Short circuit, Overload, Battery overcharge, Over-discharge	
Humidity	20 ~ 90% RH @ 0 ~ 40°C (non-condensing)	
Noise level	≤ 45 dB (1m)	
Net / Gross weight (kg)	5.5 / 6.0	6.5 / 7.0
Dimensions (W × D × H) (mm)	185 × 280 × 95	
Packaged dimensions (W × D × H) (mm)	231 × 329 × 144	
Quantity / 20ft	2400 pcs	

\* All specifications subject to change without notice