Aide

400VA ~ 2000VA

Applications

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

Highlights

- ☑ **Compact design**
- ☑ **Automatic voltage regulation (AVR)**
- ☑ **Wide input voltage range**
- ☑ **Auto restart**
- ☑ **Cold-start capability**
- ☑ **Effective protection**
- ☑ **Manageable**

Aide series UPS is the ideal solution for providing stable and reliable power supply for PCs and some electronics in home and office. The user is ensured of high quality power and battery backup during voltage fluctuations and power outages. Through the UPS software, users are able to shutdown a connected computer in the event of a power failure to protect the data and the device.

Features

Microprocessor-based digital control technology

Faster and more accurate processing of data

Wide Input Voltage Range

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

Built-in AVR

Aide UPS provides stable power to connected devices in unstable power conditions. It has built-in automatic voltage regulator, safety running between 165 ~ 275 Vac, reduces the using of battery, prolongs the life of battery, especially suitable for power fluctuations or poor power areas, 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. Aide circuit protection device will protect against potential short circuit damage, overheating, fire or even explosions. Aide 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

Aide 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

Aide 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 Aide UPS with the 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

- Aide series UPS adopt interactive design. When mains power is connected, Aide system will **automatically charging the battery, even the UPS is OFF**, to ensure the battery have enough power. When the mains power fails, Aide system will automatically switch to battery mode to provide sufficient runtime for the load saving data and safety shutdown.
- Aide 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, Aide UPS will **automatically restart** and **self-diagnose** to ensure the functionality of the UPS system and batteries.
- Aide 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 and LCD display

The user friendly LED display, which is situated on the front panel of Aide UPS, provides instantaneous information. Aide LCD model have a backlit LCD display for users to observe the UPS status information, load and battery performance.

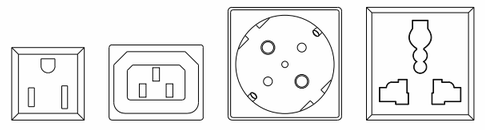
Advanced multi-platform communications

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

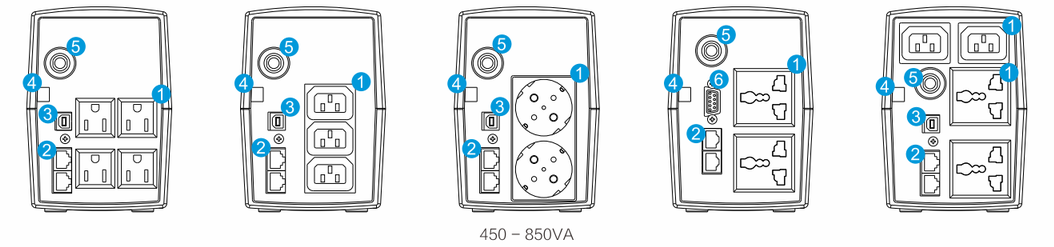


USA Socket IEC Socket Schuko Socket Universal Socket

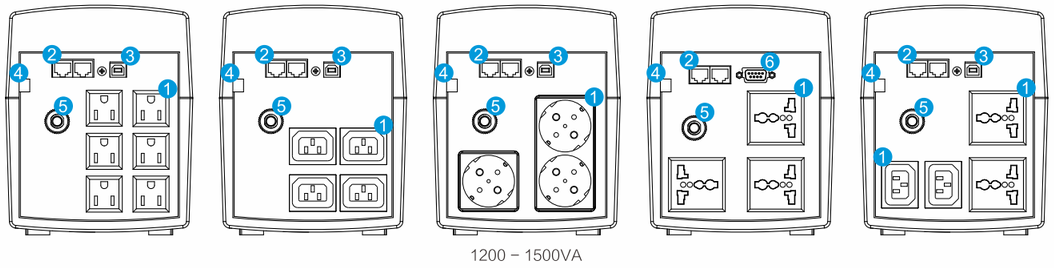
Available Options

Communication Ports
RS232 + RJ45 (Universal socket only)
USB + RJ45
Software
UPSmart

Details



450 – 850VA



1200 – 1500VA

1. Output Socket (selectable)
2. TEL/Modem/Fax surge protection (optional)
3. USB (optional)
4. AC Input
5. Fuse
6. RS232 (optional)

Technical specifications

MODEL	AID 400 AID 450	AID 600 AID 650	AID 800 AID 850	AID 1000 AID 1200	AID 1500	AID 2000
Capacity	400VA/240W 450VA/240W	600VA/360W 650VA/360W	800VA/480W 850VA/480W	1000VA/600W 1200VA/720W	1500VA/900W	2000VA/1200W
INPUT						
Voltage	100 V / 110 V / 120 V: 80 ~ 150 Vac; 220 V / 230 V / 240 V: 162 ~ 295 Vac (220 V: 145 ~ 295 Vac optional)					
Frequency	50 / 60 Hz ± 10% (auto-sense)					
OUTPUT						
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					
Transfer time	Typical 2 ~ 7 ms; Max.10 ms					
BATTERIES						
DC voltage	12 V			24 V		
Configuration	12 V / 4.5 Ah × 1	12 V / 7.0 Ah × 1	12 V / 8.0 Ah × 1	12 V / 7.0 Ah × 2	12V / 8.0 Ah × 2	12 V / 9.0 Ah × 2
Recharge time	6 ~ 8 h					
COMMUNICATIONS						
USB / RS232 / SNMP (optional)	Supports Windows® 98 / 2000 / 2003 / XP / Vista / 2008 / Windows® 7 / 8 / 10					
OTHERS						
Protections	Surge, Short circuit, Overload, Battery overcharge, Over-discharge					
Humidity	20 ~ 90% RH @ 0 ~ 40℃ (non-condensing)					
Noise level	⩽ 45 dB (1m)					
Plastic case – Net / Gross weight (kg)	3.8 / 4.3	4.3 / 4.8	5.3 / 5.8	9.5 / 10.0	10.7 / 11.2	——
Plastic case – Dimensions (W × D × H) (mm)	100 × 280 × 140			140 × 345 × 170		——
Plastic case – Packaged dimensions (W × D × H) (mm)	139 × 325 × 210			198 × 406 × 245		——
Plastic case – Quantity / 20ft	2300 pcs			1000 pcs		——
Metal case – Net / Gross weight (kg)	/	5.5 / 6.0	6.7 / 7.2	10.5 / 11.2	12.6 / 13.4	14.0 / 14.8
Metal case – Dimensions (W × D × H) (mm)	/	95 × 320 × 160		125 × 320 × 225	125 × 380 × 225	
Metal case – Packaged dimensions (W × D × H) (mm)	/	145 × 375 × 230		180 × 390 × 295	180 × 450 × 295	
Metal case – Quantity / 20ft	/	2000 pcs		1000 pcs		
Rack mount – Net / Gross weight (kg)	/	7.8 / 8.3	9.0 / 9.5	12.6 / 13.2	15.7 / 16.3	17.0 / 17.6
Rack mount – Dimensions (W × D × H) (mm)	/	308 × 438 × 88			308 × 438 × 132	
Rack mount – Packaged dimensions (W × D × H) (mm)	/	395 × 525 × 185			395 × 525 × 225	

* All specifications subject to change without notice