



Power supply for charging lithium battery

Safe, Efficient & Earth Friendly

UNIFIVE

OUR PRINCIPLE



SAFE



EARTH FRIENDLY



EFFICIENT



About UNIFIVE

Since 1989, UNIFIVE has been known for its "high quality and high reliability" and is involved in the market of AC/DC power supplies (Adapter and Open Frame etc.).

We are committed to research and development of products that meet the increasingly sophisticated electronics industry and are widely used in computers, home appliances, consumer electronics, communications, information, industry, medical and other fields. We also has patent for 360 degree AC PIN interchangeable type adaptor and it is leading the world's exclusive design.

UNIFIVE provides products which are smaller, lighter, more power efficient, and easier to use. We selling products all over the world and get the certifications for each of country. And also acquired ISO9001:2015 and ISO14001:2015 etc. to ensure products meet the latest regulations.

Customized Solution

In addition to provide customer standard adaptor, UNIFIVE also strives to provide unique product, customized service with various, high quality and regulation to satisfied customer's special requested.



Experience Team

UNIFIVE has been established for 30 years, has great development experience in switching power supply and also has the most professional service team. We will continue to work with customers to create competitive products.



Understand your needs and do our best!

1 Recommendation

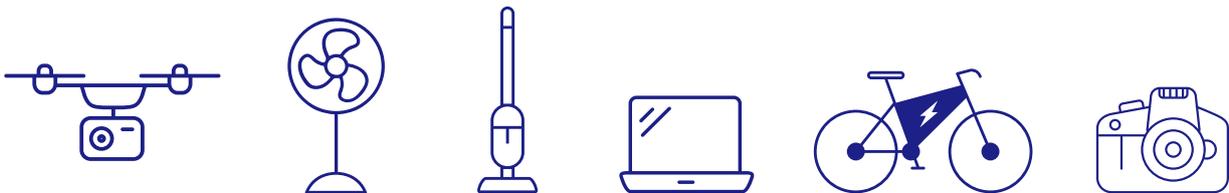
Nowadays, requests of AC adapter for battery charging are increasing. For example products like a cordless cleaner, many electric devices become cordless type and has the battery charging function.

In addition, due to the device function of the battery charging in the market, the require of supplying power from AC adapter has been switching from CV (Constant voltage controle) to CC_CV(Constant current_constant voltage).

In order to meet this request, Unifive can desing the power supply to meet IEC60335-1 and IEC60335-2-29 and below there is some product introduction.

2 USE

Charger with built-in lithium battery. (ex,cordless cleaner)



3 Introduction

Input voltage: AC80~276V

Safety standard: Meet IEC60335-1 and IEC60335-2-29, PSE

USL324(only)

* About more detail of the certification, Please ask our sales team.

- CC+CV specification can achieve suitable charging for lithium ion battery.
- Operating environment temperature: -10°C to 40°C
Correspond cyclonic vacuum cleaner with IEC61000-4-2 ESD
- guarantee: Aerial discharge $\pm 20\text{kV}$, Contact discharge $\pm 10\text{kV}$
- Correspond suitable plug and wire selection considering cable
- disconnection measure or coating breakage measure.
- PCB:CTI 600V,level of fire retardant 94v-0. Tracking test:JWDS002
- level II . To design with IEC60335-1/60335-2-29.

24W

USL324-2510



DC6V~24.25V
(0.95A~1.05A)

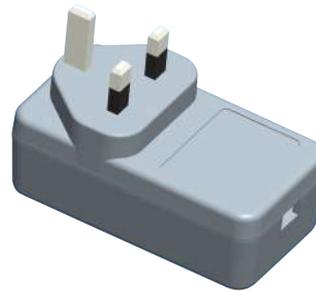


- Stability
- Available AC pin type from around the world.

93.0*50.0*33.0mm

24W

USK324-2510



DC6V~24.25V
(0.95A~1.05A)



- Stability
- Available AC pin type from around the world.

93.0*50.0*42.40mm

24W

USE324-2510



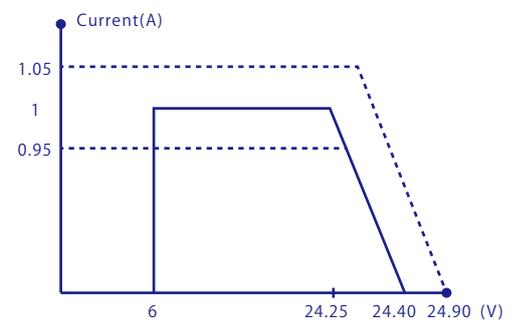
DC6V~24.25V
(0.95A~1.05A)



- Stability
- Available AC pin type from around the world.

93.0*50.0*51.4mm

CC-CV Characteristic diagram



- No load condition: $\pm 2\%$
- 0.95A~1.05A load condition: 6V ~24.25v

32W

USL332-3310



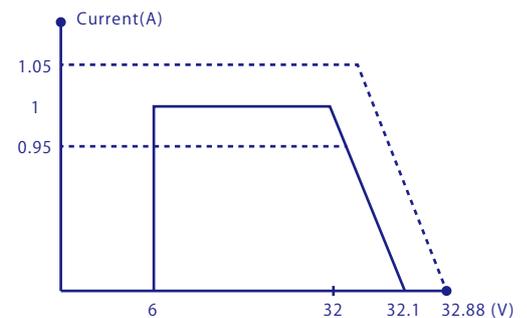
DC6V~24.25V
(0.95A~1.05A)



- Stability
- Available AC pin type from around the world.

93.0*50.0*33.0mm

CC-CV Characteristic diagram



- No load condition: $\pm 2\%$
- 0.95A~1.05A load condition: 6V ~33.88v

For more detail, please contact our sales

4 Annotation

Please make sure that battery charging method is whether supplying electricity is CV or CC_CV, then consider the selection of AC adapter.

These products meet IEC 60335-1 and IEC 60335-2-29. However, there would be a cases that product may need to add other certification depends on the county where client will sale.

In addition, AC adapter need to combine with devices if compatible specification required it.



