

JP-04 POWER SUPPLY 4



User Manual

Thank you for purchasing this product!

In order to use this product more safely and get fully joy of its features, please read this owner's manual carefully and retain it for future reference.

Thanks for purchasing the Joyo product.

Have you ever heard the strange noises jumping out of nowhere when using several pedals together? The biggest reason that produces such annoying sound is that pedals are connected in a parallel mode. With such parallel connection each pedal forms a ground loop, which brings the noises from other magnetic field into the signal path and all the other pedals are interfered and become unstable. To solve this problem, all need to do is to get rid of the ground loop and make sure each pedal work in an isolated route and most importantly choose a power supply with isolated output free from ground loop troubles. Well, here is this power supply right made for you!

This product is an isolated power supply available for guitar pedals. It uses a high quality R transformer. It has eight 9V outputs with independent power cable and ground wire, each output is completely isolated, short-circuits and over current protected, highly filtered and regulated, This ensures reliable operation, free of hum and noise. It will provide you a clean and transparent sound.

Main features:

1. 8 Isolated Outputs.
2. Isolated Short Circuit/Over Current Protection.
3. Power for DC9V/12V/18V pedals.
4. Power Switch.
5. Voltage Switch for DC12V and 18V.
6. AC Output port to connect several power supply units.
7. Includes DC Cables and Reversed Polarity Cables.

IMPORTANT SAFETY PRECAUTIONS

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.



SAFETY INSTRUCTIONS:

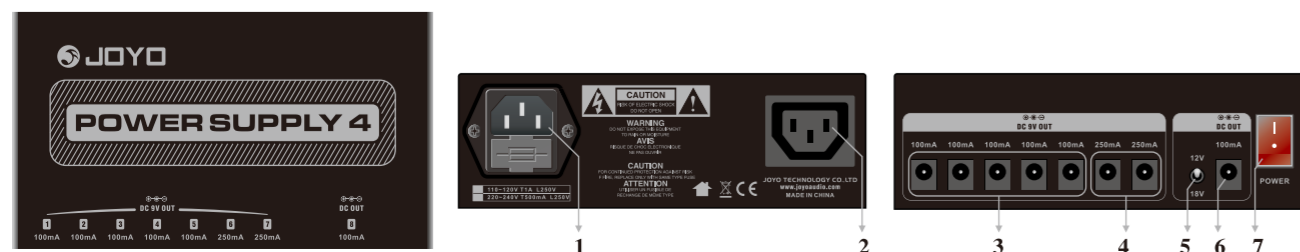
1. Only use the device within the stipulated power supply or current range.
2. Only use the attachments/accessories specified by the manufacturer.
3. Do not expose the product to rain, water or moist environments, and keep away from the liquids in case of any opening being spilled.
4. To avoid deformation or damage to internal units, do not expose this product to excessive dust or vibrations, or extremely cold or heat (such as direct sunlight, near a heater or a car under the hot sun).
5. Please avoid any foreign objects (paper, plastic or metal, etc.) plugged or fall into any gaps or openings on this product.
6. To avoid damage to the product, please do not use excessive force during usage or operation.
7. Please use dry cloth to clean, do not use liquid cleaners such as benzene, thinner, detergent, flammable polish, etc.
8. Do not dump this product with household waste together. Proper treatment can reduce pollution and health hazards. Please contact your local dealer for correct approaches.
9. This product is produced according to strict product specification, and is supposed to be used in specific areas. If you purchase it through the network, mail order or telephone sales, please verify your area is authorized to use this product. It is dangerous to use this product in any unqualified area and you will no longer own the factory warranty. Please also keep your invoice as proof of purchase for after-sales service.
10. To avoid electric shock, please only refer to the professional person to open the cabinet. Do not attempt to use or install an alternative device on the product, or perform any unauthorized modification. For repair services, please contact trained professionals.
11. Please refer to the manual for specific Warning or Caution information to avoid personal injury or product damage.
12. Never use with a cart, stand, tripod, bracket, or table except as specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when Moving the cart/apparatus combination to avoid injury from tip-over.



DETAILED SAFETY INSTRUCTIONS:

1. For better usage and heat dissipation, please take your device's dimension and type into consideration.
2. Please choose appropriate devices according to its Input & Output voltage, currents and other parameters.
3. Pay attention to operating environment, such as temperature, humidity.
4. Before using the product, please refer user manual and make sure voltage, current matches your devices.
5. Power must be turn off during wiring.
6. Before power on, please double check all cable terminals and confirm Input & Output; AC&DC; Positive and Negative pole; Voltage and Current are all in correct state, avoid reversed or(wrong connection).
7. Based on the theory that primary input pedals(of bigger current) go before secondary input pedals, also for a better performance of this unit, please put primary input pedals in the front.
8. Please use your devices at rated power.
9. Please contact local authorized dealer immediately when malfunction occurs, and ask for due after-sale service.
10. To extend the lifetime, please do not turn on/off power too frequently.
11. Please note that all equipments must be grounded.
12. Unplug the device or turn it off during lighting storms or when unused for a long period of time.

Parts Description and Function



1. AC Power Input and Fuse Unit:

1) AC Power Input: Detailed information please refer to your local standard. AC110V (North America) AC240V (UK) AC220V (Mainland China)

2) Fuse Unit: Fuse Unit contains the main power fuse. Based on different input voltage, corresponding fuse value shows as:

Input voltage Fuse value

AC100-120V T1A1250V AC220-240V T500mA250V

Caution:

1). Fuse Unit is set to ensure that input voltage conforms to internal transformer. Wrong match will lead to blown fuse.

2). All fuses are correctly installed by manufacturer according to targeted districts. Users cannot dismantle or change its installation without authorization. For any repair or maintenance, please ask for a professional expertise or designated distributor.

3). The adaptation of fuse and internal transformer is determined by the relative direction of fuse cover and base. Based on local voltage standard, please make sure the triangular mark on the fuse cover in consistent with that on the base when you change the fuse. Wrong installation may lead to blown fuse.

2. AC Output: AC output port can be used to connect several units of this product with the maximum amount of five. Please connect this output port to AC input directly with a power cable.(Refer to illustration)

3.Power Switch: It controls the entire input power of the unit. Turn the switch on and the indicator light becomes bright. And the power cuts off when the switch is off. (this switch does not limit AC power output.)

4.DC Output 1-5: DC9V power output with the positive pole in the outer and the negative in the center. Each maximum output current is 100mA which is quite suitable for low power effect pedals. The output current is limited to 100mA and equipment with current consumption over this level should not be connected to Output 1-5.

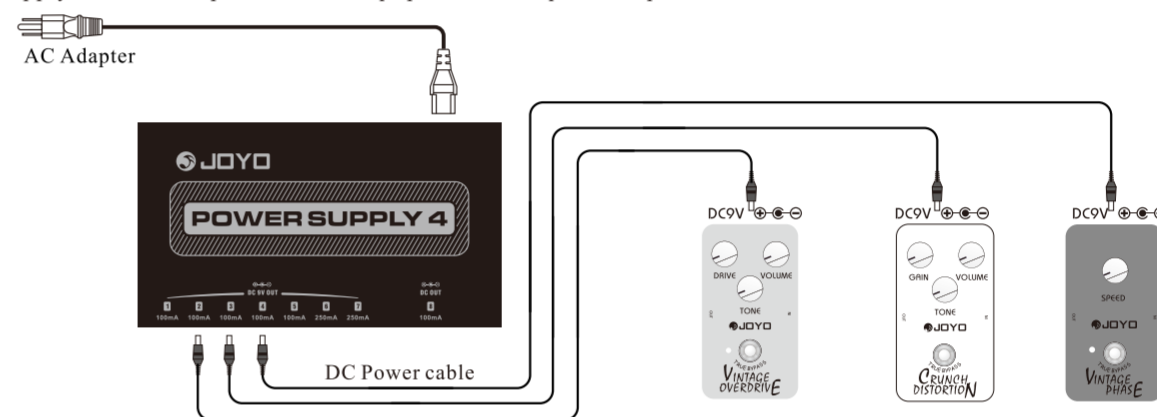
5.DC Output 6-7: DC9V power output with the positive pole in the outer and the negative in the center. Each maximum output current is 250mA which is quite suitable for high power effect pedals. The output current is limited to 250 mA and equipment with current consumption over this level should not be connected to Output 6-7.

6.DC Output 8: DC12V/18V power output which can be alternated by the Switch button. The positive pole is in the outer and the negative in the center. The maximum output current is 100mA which is quite suitable for low power effect pedals. The output current is limited to 100 mA and equipment with current consumption over this level should not be connected to Output 8.

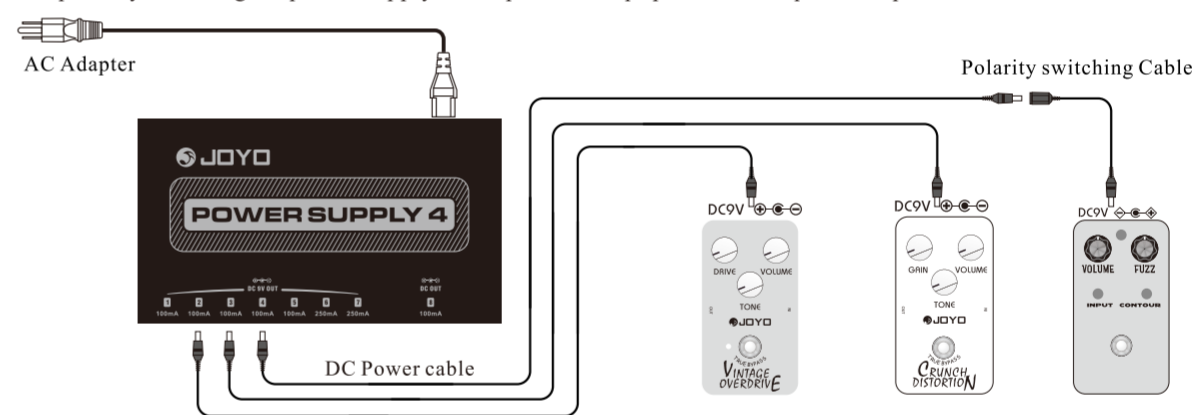
7.DC12V/18V Switch: This switch is designed to control Output 8. Turn the switch and point to 12V, the output of Output 8 is DC 12V. The same goes for DC 18V.

Connection Mode (Refer to illustration)

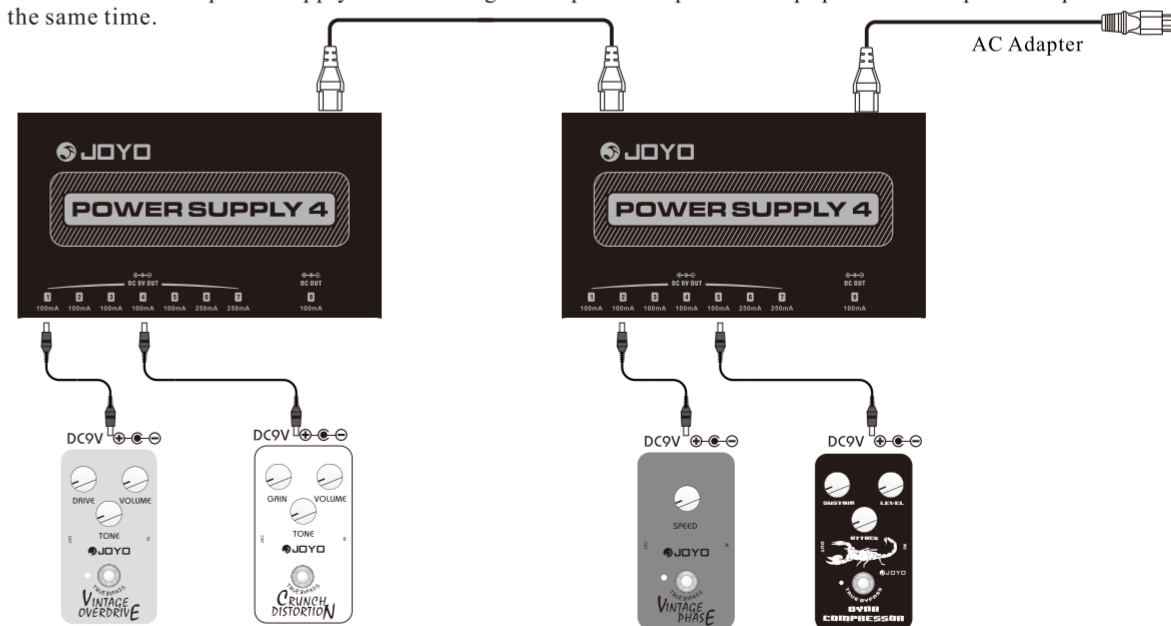
1. Supply to one effect pedal or other equipment with equivalent parameter.



2. Use a polarity reversing adaptor to supply effect pedals or equipment with equivalent parameter.



3. Connect to several power supply units to charge multiple effect pedals or equipment with equivalent parameter at the same time.



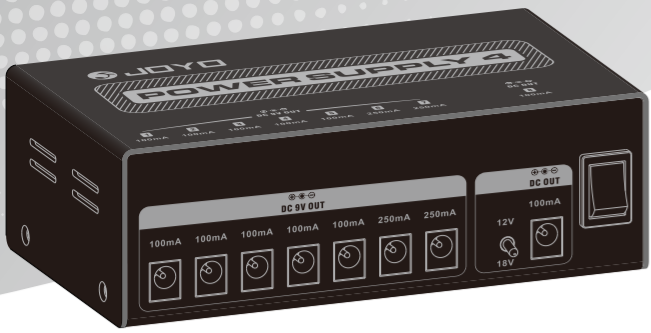
This Power supply should contain the following:

- Power supply, 1pc (Dimension:160*100*60mm Power Consumption:30W)
- Manual, 1pc
- AC Power cord, 1pc
- DC connection cable, 8pcs
- Reversed Polarity cable, 2pcs
- Fuse wire, 1pc



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JP-04 POWER SUPPLY 4

JOYO
FEEL JOYO ENJOY MUSIC

使用说明书

感谢购买我们的产品!

请详细阅读本使用说明书和保管好本说明书以供必要时查阅。
为了您的安全和能更快地熟练使用产品,使用前请先详细阅读并理解本说明书中所有的安全与使用说明。本说明书内容仅用于使用说明,可能与实际操作本产品时有所不同。谢谢!

当你将不同的效果器进行串联或并联时,它们的电路都会产生或好或坏的影响。其中最常见的问题是来自接地回路。接地回路产生噪音的原因主要是由于使用多头并联电源线来连接多个效果器,这会让每个效果器之间都产生一个接地回路。接地回路会将其磁场的噪音引入到我们的信号路径中,并导致信号回路内的设备失去其工作的稳定性,这些噪音经过环路内设备的放大,最终,你的音乐信号会被糟蹋的惨不忍睹。当地环路形成时,你可以明显的听到你的音箱发出“哼哼”声。要解决这个问题,我们就必须要破坏掉接地回路,解决办法就是让每个设备的电源保持独立,使用拥有真正独立输出的直流电源为你的设备供电。本电源正是为了解决上述问题而研发的电源产品。

本电源低噪音全独立输出直流电源主要针对乐器设备来设计,本产品采用效率更高的高品质R形变压器,配备8组纯独立输出(电源和地线都独立),每组电源内部采用多级滤波,对噪声的抑制作用更优,将效果器因为电源而产生的噪音降低到最小。另外,我们为每一组电源输出都配备了独立的短路、过流保护,这样便不会因为一个效果器的故障而导致电源不工作,为您的设备提供稳定而干净的电源,以保证你的效果器完美工作,产生最好的效果音色。

特点

- 1、8路纯独立输出。
- 2、每路独立的短路、过流保护。
- 3、可以为DC9V、12V、18V的效果器供电。
- 4、内置总电源开关。
- 5、带AC市电输出端口,用于级联更多的本型号电源。
- 6、内置DC电源连接线(反极性线)。

注意事项 安全操作

重要的安全说明

注意:
机内无用户可用备件! 为了防止触电,切勿自行拆开机盖! 必要时需由专业人士维修!

警告:
为防止发生火灾或触电危险,本机切勿受雨淋或受潮!



等边三角形中自带的闪电型箭头,该符号用来告诫用户--- 机内具有危险电压的非绝缘部分,易造成电击的危险。



等边三角形中自带的感叹号,该符号用来提醒用户--- 机器附件中有重要的操作和保养说明,请查阅使用说明书。



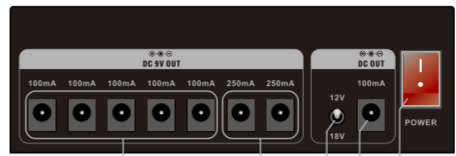
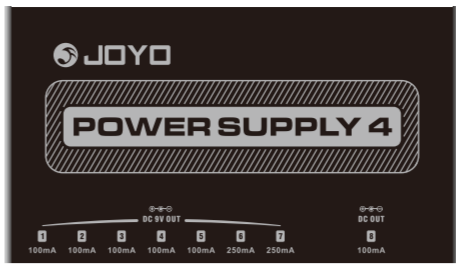
详细的安全说明

1. 只能在本电源所规定的电压和电流范围内使用。
2. 只能使用附带的延长线和转接线。
3. 请勿让本产品淋雨、在水附件或潮湿环境中使用,或将盛有液体的容器放在其上,否则可能会导致液体溅入任何开口。
4. 为了避免发生变形或损坏内部组件,请勿将本产品放在有大量灰尘、震动、极端寒冷或炎热(如阳光直射、靠近加热器或烈日下的汽车里)使用。
5. 请避免任何异物(纸张、塑料或金属等)插入或落入本产品的任何间隙或开口。
6. 操作产品时请不要用力过当以免损坏产品。
7. 如果表面脏了,请用干净、干燥的布擦拭。请不要用苯、天拿水、洗涤剂、可燃性抛光剂等液体清洁剂。
8. 该符号用来警告用户-禁止推移在最顶端装有机器而又无保护措施的可移动机架,谨防最顶端的机器跌落给您带来不必要的人身伤害。为保护您的利益,请使用由该制造商所生产或推移的可移动机架、三角架、脚架、固定架、控制台等配件。
9. 请勿打开本设备,试图拆卸其内部零件或进行任何方式的改造。本设备不含任何用户可自行修理的零件。若出现异常,请立即停用,并请专业的维修人员进行检修。
10. 请不要把本设备和生活垃圾一同丢弃。正确的处理可以减少环境污染和健康危害。正确的处理方法各地不同,所以详情请联系各地。
11. 本产品根据严格的产品规格生产,在特定的区域本产品可用。如果您是通过网络购买、邮件订单、或电话销售,请验证您所在的区域本产品能够使用。在任何未被验证的区域使用本产品都是危险的,并且不再享受厂家或经销商的保修权利。同时也请保留好发票作为购买证据,否则不享受厂家或经销商的保修权利。
12. 为防止触电,非本公司授权人员,严禁拆开机壳。请勿自行确定在产品上使用或安装替代器件,或执行任何未经授权的修改。产品内部无操作人员可正常使用之部件,若需维修服务,请联系接受过培训的专业人员。
13. 请参考本手册中特定的警告或注意事项信息,以避免造成人体伤害或产品损坏。

注意

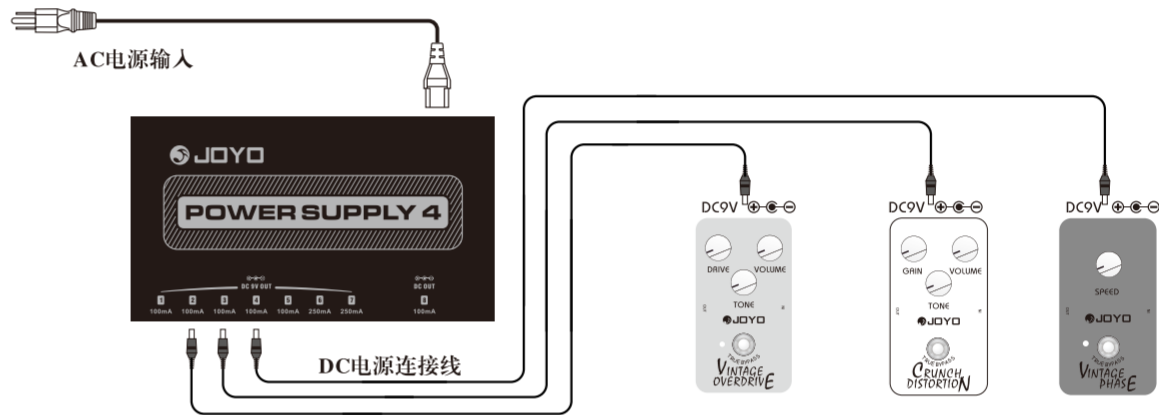
1. 根据使用方法或设备预留空间选择适合的产品类型及外形尺寸。
2. 依据输入电压和输出电压、电流查找合适的相应规格。
3. 明确纹波噪声、电压稳定度、负载稳定度等其它指标。
4. 根据实际使用环境的温度、湿度、振动等要求;选择性价比合理的产品。
5. 使用产品前,必须先读产品介绍和使用说明,看清接线标记。确认输入电压、电流,输出电压、电流与产品提供值相符。
6. 接线时,请切断输入电源。
7. 在安装完毕通电之前,请再次检查各接线端子上的连线,确认输入和输出、交流和直流、正极和负极、电压值和电流值等正确无误方可使用。杜绝接反、接错现象的发生。
8. 多路输出的电源分主、辅输出,主输出特性优于辅输出,一般情况输出电流大的为主输出。为保证负载调整率和输出动态指标,一般要求最前面为主输出(因为线材最短损耗最小)。
9. 电源的输出功率主要取决于原端的功率器件,请在额定功率下使用。为了满足客户的要求,厂家给功率留有一些余量。如有不祥之处,可向本公司技术人员咨询,以达到最佳效果。
10. 电源产品一旦出现故障,应以最快捷的方式告知本公司或经销商,并说明电源损坏的现象,便于查找原因。
11. 请不要频繁开启或者关断电源,电源的频繁开关将会影响其寿命。
12. 请注意所有设备必须可靠接地。为了您的安全,请不要去除设备或电源线的接地或取消其作用。
13. 当准备长期不使用本设备或出现雷电时,请从电源插座拔出电源插头,或者把电源开关关闭。

各部件名称及功能

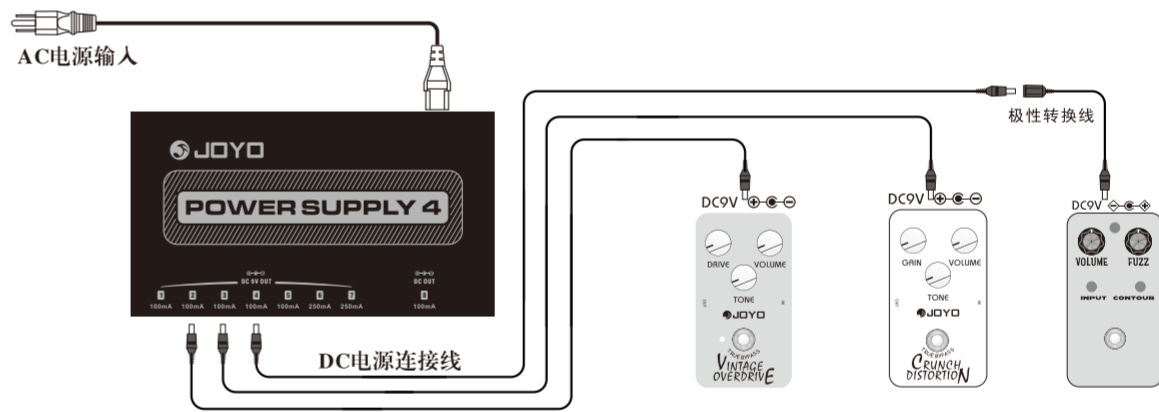


连接方式

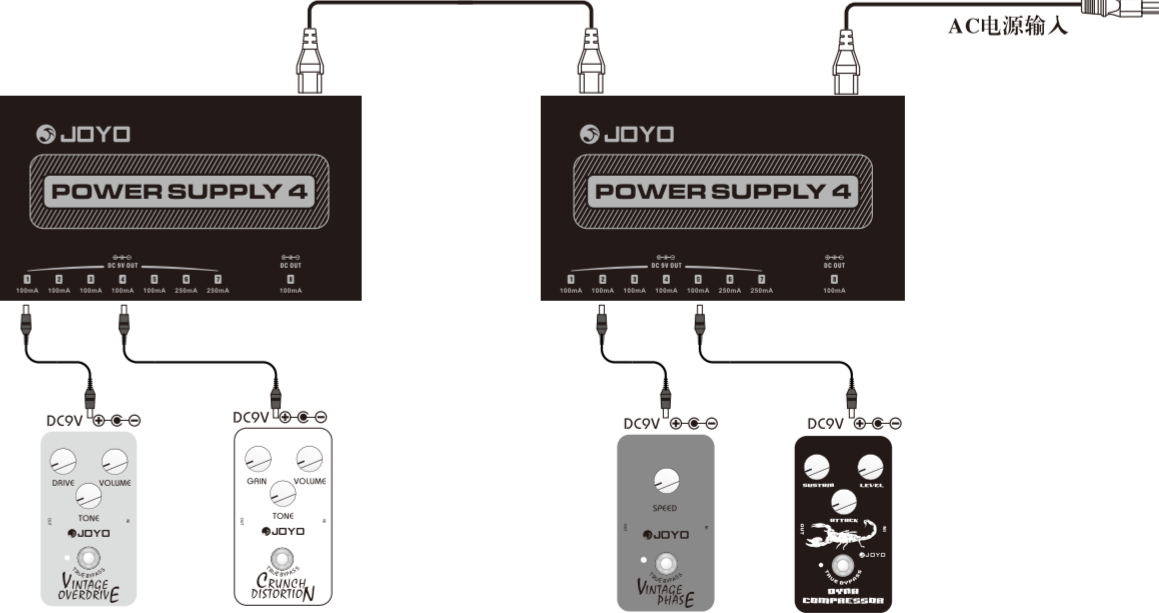
- 1、可以单独给一个或多个效果器同时供电,以及其他参数符合的设备供电。



- 2、可以使用反极性转接头给效果器供电或者其他参数符合的设备供电。



- 3、可以级连扩展给多个效果器供电或者其他参数符合的设备供电。



包装清单

电源:1个(产品尺寸:160*100*60mm 功率:30W)
说明书:1份
交流输入电源线:1条
DC连线:8条(插头大小:外径5.5mm,内径2.1mm,可以提供8块效果器同时使用)
反极性转接线:2条(插头大小:外径5.5mm,内径2.1mm,适用于极性外负内正的效果器)
保险丝:1个(电压范围100-120V 保险丝是T1A L250V,电压范围220-240V 保险丝是T500mA L250V)

深圳市卓乐科技有限公司

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