

LONG蓄电池LG50-12N 系列说明及简介销售

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| 产品名称 | LONG蓄电池LG50-12N 系列说明及简介销售 |
| 公司名称 | 北京盛达绿能科技有限公司 |
| 价格 | 1.00/只 |
| 规格参数 | 品牌:LONG蓄电池 化学类型:免维护蓄电池 型号:LG50-12N |
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产品详情

这里还未计无功损耗的费用。另外有功消耗还要转变成热量，从而增加了空调的负担；空调对此增加的制冷量又再次消耗电力，所以实际的电力消耗比以上计算的要多。

直流变换器的效率一般大于85%，如果按85%计，一台输出80KW的直流变换器，其输入的功率为94.12KW，机器本身消耗满载输入容量的15%，即14.12KW。

一小时合14.12度，电费0.7702元 × 14.12=10.8752元，即10.8752元/时，二小时21.7504元。该消耗只是在市电停止后，直流变换器向负载供电时才发生。平时只需考虑直流变换器的空载损耗。

某品牌的直流电源空载损耗1.2%，这样，80KW的空载损耗为80000 × 0.012=960W，每小时合0.96度；0.7702元 × 0.96=0.7394元，即0.7394元/时，23.04度/天，8409.6度/年，电费：0.7702元 × 8409.6=6477.07元，与使用UPS比较，6477.07元/34409.46元=0.19！即这种方式每年消耗的费用是一般UPS方式的百分之十九。节省了不少电力，这对于当今能源日趋紧张的情况来说，是非常值得考虑的。

LONG蓄电池LG50-12N 系列说明及简介销售

广隆LONG蓄电池公司自1990年创立以来已20年，是国内取得保税工厂及股票上市之铅酸蓄电池製造厂。近五年以来每年电池出货数达30%的複成长；创造高达40亿元的营业收入。为求分散生产风险与扩大销售市场，采取国际分工的产销政策，早在1996年即于越南国之滨沥县设厂，为早于当地建立电池生产基地之投资之外资企业。后于1999年与2000年分别完成ISO9001与ISO14001认证，2002年通过OHSAS18001认证，并于同年于台湾挂牌上市。至2007年又完成佔地达20万平方公尺之越南德和厂兴建，2008年通过TL9000通信/通讯电子业品质系统验证，并于2009年底起至2010年持续进行德和厂生产基地第二第三期的扩建工程。

于产品的製造，广隆除了对各生产环节严格的把关外，从技术体系到管理方法与业务流程都有著革命性的创新与实践。我们的产品在製造及确保产品遵循依品质管理系统下，全系列密闭式电池产品皆通

过UL安规标准。另针对欧洲区安控市场的高品质需求，我们亦通过了德国VdS的认证。产品品质深受国内外之跨国企业的厚爱与认可。我们相信，客户满意度不仅只来自于产品本身，即时的服务提供与客户的友好关系建立更能提升客户满意的附加价值。因此，广隆不仅获颁客户满意度金质奖外，产品亦荣获经济部评选为『台湾精品奖』的肯定。

我们的创新发展来自丰硕经验与能量，广隆拥有产品线广度完整及弹性製造技术的竞争优势，迄今已开发出超过400种不同用途之电池，并持续开发电动车，太阳能及风力等再生能源用电池。对于产品创新发展无穷尽的追求与态度，广隆自1993年起陆续与工研院材料所合作深度放电用密闭式电池、电动机车用电池及高功率改质电池等之开发，并多方引入新技术，更投资了许多先进的设备来彰显我们对客户与时俱进；永续发展的信念与承诺。

立足台湾，深耕越南，放眼环宇。广隆，以能为全球消费者提供更洁淨能源，并担负社会与环境的责任与维护的决心，进而带动公司持续成长与永续经营，兢兢业业努力不懈。

Guanglong long battery Co., Ltd. has been established for 20 years since 1990. It is a professional lead-acid battery manufacturer that has obtained bonded factory and stock listing in China. In the past five years, the number of battery shipments per year has increased by 30%, and the business income has reached 4 billion yuan. In order to diversify the production risk and expand the sales market, we adopted the production and marketing policy of international division of labor. As early as 1996, we set up a factory in Binli County, Vietnam, which is a foreign-funded enterprise with investment earlier than the local establishment of battery production base. After 1999 and 2000 respectively completed ISO9001 and ISO14001 certification, passed OHSAS18001 certification in 2002, and listed in Taiwan in the same year. By 2007, it had completed the construction of Dehe factory in Vietnam with an area of 200000 square meters. In 2008, it had passed the TL9000 communication / communication electronic industry quality system verification. From the end of 2009 to 2010, it continued to carry out the expansion project of the second and third phase of the production base of Dehe factory.

In the manufacturing of products, Guanglong has revolutionary innovation and practice from technical system to management method and business process, in addition to strict control over all production links. Our products are precisely manufactured and guaranteed to follow the quality management system. All series of sealed battery products have passed UL safety standard. In addition, we have also passed the German VDS certification for the high-quality demand of the security control market in Europe. Product quality is deeply loved and recognized by well-known multinational enterprises at home and abroad. We believe that customer satisfaction not only comes from the product itself, but also the value added of customer satisfaction can be improved by establishing a friendly relationship with customers through instant service provision. Therefore, Guanglong won not only the Gold Award for customer satisfaction, but also the "Taiwan boutique Award" by the Ministry of economy.

Our innovation and development come from abundant experience and energy. Guanglong has a complete product line and competitive advantage in flexible manufacturing technology. So far, it has developed more than 400 kinds of batteries for different purposes, and continues to develop batteries for renewable energy such as electric vehicles, solar energy and wind power. For the endless pursuit and attitude of product innovation and development, Guanglong has cooperated with the Institute of materials of the Institute of engineering and research since 1993 to develop the sealed battery for deep discharge, the battery for electric motor vehicles and the battery for high power upgrading, and introduced new technologies in many ways, and invested many advanced equipment to show our faith and commitment to keep pace with the times and sustainable development.

Based in Taiwan, deeply ploughing in Vietnam, looking around the world. Guanglong is committed to providing cleaner energy for global consumers, shouldering social and environmental responsibilities and maintenance, so as to drive the company's sustainable growth and sustainable operation, and make unremitting efforts.

广隆LONG蓄电池基本特性：

1. 贮藏容量高。
2. 充放电无酸雾。可大电流充电（0.8C-1C
3. 充电接受能力强。8秒内30C放电电流，
4. 可大电流放电。电流不损伤。可多次尽放电，
5. 可超深度放电。电池不会损害。可在50~60 温度下使用。
6. 适温性极强。完全免维护，
7. 自放电小。全充电后，常温存放一年仍可正常使用。为铅酸电池的一倍。
8. 使用寿命长。报废后全部资料可再生回收，
9. 绿色环保无污染。电解质无污染。能在各种恶劣的环境下安全使用。
10. 抗震性能好。使用时可任意方位放置。

Basic characteristics of Guanglong long battery:

1. High storage capacity.
2. There is no acid mist during charging and discharging. High current charging (0.8C-1C
3. Strong charging acceptance ability. 30C discharge current in 8 seconds,
4. High current discharge. The current is not damaged. It can discharge several times,
5. It can discharge beyond the depth. The battery will not be damaged. It can be used at 50 ~ 60 .
6. The temperature adaptability is very strong. Completely maintenance free,
7. Small self discharge. After fully charging, it can still be used normally after being stored at normal temperature for one year. Double the lead-acid battery.
8. Long service life. All data can be recycled after scrapping,
9. Green and environmental protection without pollution. No electrolyte pollution. It can be used safely in all kinds of bad environment.
10. Good seismic performance. It can be placed in any direction.

由此，可以设想：能否将电池组的直流电经过一定的变换（不是逆变），形成不同等级的直流电压，例如：16VDC、±12VDC、9VDC、±5VDC等，以直流方式直接供给负载使用？！可将这种直流电源叫做《不间断直流电源》，UninterruptibleDirectCurrentPowerSystem（UDCPS），它有对电池组充电的能力并在没有市电时由电池组向负载供电。方案原理见图一。

电池组通过直流变换器直接向计算机负载供直流电（±12V，±5V），这样可省去逆变器，由直流变换

器取代；计算机内原电源板的直流输出通过整流二极管（作为正或门/负或门的一条支路）供电，或门的另一路由直流变换器供电

从图一可见，原UPS的负载，如：计算机、路由器、交换机等，其内部只需增加二极管，即Z3、Z4、Z5、Z6，以便与外部的二极管构成正或门/负或门，并将或门的输出端接机内的相应直流电源的负载端并引到机外，通过机壳上设的插座外引；或门的另一路二极管，即Z1、Z2、Z7、Z8，可设在《不间断直流电源》内，这样可减少重要负载（如：计算机、路由器、交换机等）内的改动量。《不间断直流电源》内或门的输出端再接到重要负载的机壳上设的插座，由此共同构成或门。

二极管Z1和Z3、Z2和Z4构成正或门，分别接受来自两个+12VDC和两个+5VDC的电源；二极管Z5和Z7、Z6和Z8构成负或门，分别接受来自两个-12VDC和两个-5VDC的电源。

如果使《直流变换器》的输出略小于原机内直流电源的输出，这样，有市电时由于二极管的反偏作用，二极管Z1、Z2、Z7、Z8截止，Z3、Z4、Z5、Z6导通，从而负载仍由市电供电；当市电没有时，同理，二极管Z1、Z2、Z7、Z8导通，Z3、Z4、Z5、Z6截止，电池组无间断地继续向负载供电。

下面分析这种不间断供电方式所产生的经济效益。

以某品牌的100KVA的UPS为例，其一般整机效率（AC/AC，满载）为94%，输出功率因数一般为0.8，即可输出80KW有功功率。这样，在正常运行中，机器本身就要消耗满载输入容量 $100\text{KVA}/0.94=106.38\text{KVA}$ 的6%，即6.38KVA。

UPS输入功率因数一般为0.8-0.99，如果按0.8计，则6.38KVA的有功功率为 $6.38 \times 0.8=5.1\text{KW}$ ，那么，一小时合5.1度，122.4度。相当于约100个普通家庭的用电量。

商业电费：用电高峰（10:00-15:00；18:00-21:00）时1.1515元/度；用电平（7:00-10:00；15:00-18:00；21:00-23:00）时0.7625元/度；用电低谷（23:00-7:00）时0.3965元/度，平均电费为0.7702元/度，则 $0.7702 \text{元} \times 5.1=3.928 \text{元}$ ，即3.928元/时， $3.928 \text{元} \times 24=94.27 \text{元}$ ，就是说，一台100KVA的UPS要白白消耗94.27元的费用，一年为34409.46元！一年白白消耗44676度！