

HL Series parameter

Parameter

Model	HL10~100KH
Rated capacity	
Input characteristic	
Rectifier voltage range	-55%~+36%380AC
Bypass voltage range	-40%~+20%(Adjustable)
Input frequency	40~70Hz
Power factor	≥0.99
Harmonic current	<3% （Under linear load）
output characteristic	
Output voltage	380/400/415±1%VAC
Output frequency	50±3HZ（City electricity mode adjustable）； 50/60±0.5HZ（Battery mode）；Variable frequency output
power factor	0.8
Peak current ratio	3:1
Harmonic distortion	Under linear loadTHD<2%， Nonlinear loadTHD<5%
Overload capacity	125% 10Minute; 150% 60second
DC voltage	384/408/432/456/480VDC Adjustable
Soft start	0-100 Seconds to adjust
Interface	
LCD	LCD screen in Chinese and English
LED	Input AC exception, bypass mode, battery mode, fault
Communication interface	RS232、RS485、Intelligent Slot（smart card mounting）`MOD-BUS Protocol converter、Dry card、SNMP Protocol card options
Emergency shutdown	Standard EPO switch
work environment	
Storage temperature	-35~55℃
Operating temperature	0~50℃（It should be used in excess of 40 degrees centigrade）
Ambient humidity	0~95% Condensation free
Running height	Altitude is not higher than 5000 meters (more than 1500 according to the provisions of derating operation)
Safety and electromagnetic compatibility	

Lightning protection	Standard D lightning protection
Security	EN62040-1-1
Electrostatic release	IEC 61000-4-2 Level 3
Persistent electromagnetic susceptibility	IEC 61000-4-3 Level 3
Voltage flash compatibility	IEC 61000-4-4 Level 3
Surge interference	IEC 61000-4-5 Level 4
EMI	EN62040-2(>25A) class A
Guarantee	2year
Option	Temperature sensor, SNMP card OT68003, SMS manager OT78003, output isolation transformer

Description

HL series (10-100KVA) UPS focuses on green, efficient power supply design for critical applications. HL series of UPS using PFC advanced power factor correction technology, up to 0.99 of the maximum input power factor, eliminate harmonic pollution of power system, reduce the requirement of electric machine and spare oil capacity, reduce the total cost of the customer. Modular modular design and loop redundant parallel control provide power supply for high availability of load.

Application scope: centralized or regional power supply in large and medium-sized IT machine room, rack type server group power guarantee, RAID, SAN and other network storage, dual bus power supply, etc

Performance

System design of color and energy saving

The input power factor is as high as 0.99, which significantly improves the utilization rate of electric energy

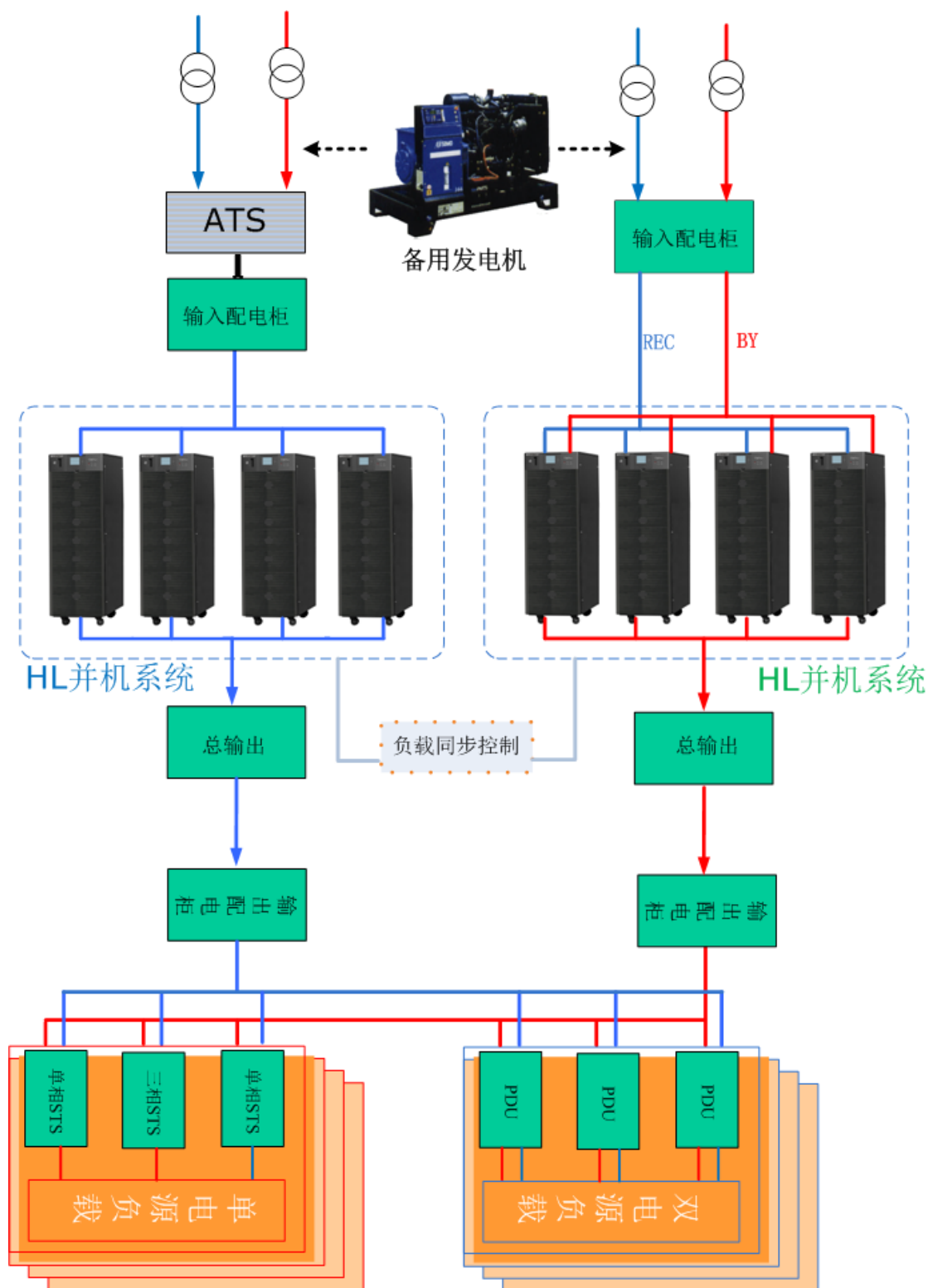
The input harmonic is less than 3%, the generator set ratio can reach 1.1:1, and the installation cost is reduced.

Positive maintenance, compact structure, effectively save the computer room space

The efficiency of UPS online operation mode is 94%, and the economic mode operation efficiency is 97%

Reduce energy consumption, reduce refrigeration demand, reduce operating costs.

Excellent electrical performance



HL高冗余双总线系统示意图

Soft start function, reduce the impact on the input

Support bypass independent power input

Output power factor 0.8 is the most suitable load parameter for IT computer room

Full digital control, no analog element parameter drift

High precision output $\pm 1\%$ VAC, peak factor $>3:1$

The output voltage can be adjusted to meet the requirements of high-precision power supply

Support 100% unbalanced load

Support frequency conversion output

The cold start function can be switched on without power supply.

Built in manual maintenance bypass to ensure uninterrupted power supply

Class modular design to shorten repair time

Interior trap EPO (emergency shutdown) button, prevent misoperation.

High Availability Redundant Parallel scheme

No master slave parallel mode, flexible and reliable, support 4 UPS direct parallel

The advanced current sharing technology, and the output imbalance is less than 1%

The redundant ring type parallel communication mode ensures the reliable operation of the parallel system

The load synchronization controller can guarantee the synchronization of dual bus system and shorten the switching time of STS

When the master-slave hot standby mode is running, the cycle load can be set periodically to ensure the aging degree of the equipment

Smart battery management

PBM smart charging management technology to reduce the battery plate passivation process, extend the battery service cycle

The charging voltage is adjusted according to the ambient temperature when the battery pack is charged

(sensor selection)

The battery discharge test can be carried out online, and it is safe and reliable

The self checking cycle and depth of the battery can be set to make the battery management more intelligent

Accurate warning of battery backup timeThe DC voltage is adjustable, and the design delay is more flexible.。

Comprehensive management plan

Large screen English Chinese LCD interface,

Permission settings can be set up to prevent misoperation

It can provide the load apparent power and active power data, and help managers understand the device characteristics

The flow chart LED is accurate and concise

Any single machine screen can observe the load of parallel machine system

Support 500 event log records

Standard RS232, RS485 interface, open interface protocol, support BMS monitoring integration

Standard dry contact signal output, provide system alarm interface

Matching WEB/SNMP network adapter (OT68003) and SMS alarm management (OT78003)

Matching AS400 protocol conversion card, MODBUS card and J-BUS protocol conversion card

Support OVERTOP network centralized management (ONMC) solution



OTNM Ver2.0

欢迎你! 安全退出 显示设置 用户设置 | 告警设置 | 报表管理 | 日志管理

区域监控

设备监控

根目录
单相
白云
荔湾

告警记录

2010-03-10 16:10:03 01
运行信息: UPS市电中断
2010-03-09 11:14:32 gpadfg
严重告警: 网站通讯断开
2010-03-09 09:32:49 23
设备异常: UPS关闭
2010-03-09 09:27:19 10
运行信息: UPS市电中断

设备状态-->ups-->01

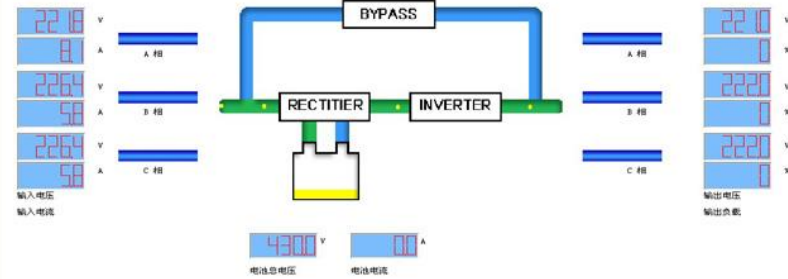
IP地址: 172.168.2.12

图例说明:

未知/未测

故障/关机

正常/开机



- | | | | | | |
|--------|--------|--------|---------|--------|----------|
| ● 电池故障 | ● 一般故障 | ● 充电故障 | ● 风扇故障 | ● 熔丝故障 | ● 电池电压低 |
| ● 连接指示 | ● 输入故障 | ● 温度过高 | ● UPS关闭 | ● 输出关闭 | ● 关机延时告警 |
| ● 网络指示 | ● 输出故障 | ● 过载告警 | ● 系统关闭 | ● 旁路故障 | ● 立即关机告警 |

● 设备故障 (0) ● 严重告警 (7) ● 设备异常 (1) ● 运行信息 (2)