



ISO9001 国际质量管理体系认证企业

ISO9001 International Quality Management System Certified Enterprise

产品介绍

CZB5L系列充电机采用漏磁变压器+数字式可控硅移相控制技术，通过充电控制器内置的多种充电曲线，使充电电流随蓄电池特性自动变化，避免电源电压波动、负载波动导致充电电流异常，使充电过程全程受控。充电机内置的充电曲线，具有温度补偿功能，根据环境温度确定析气电压，保证充电曲线自动随着环境温度调整，达到最佳充电效果。

Product Introduction

CZB5L series chargers use leakage transformer and thyristor phase shift control technology,the charging current is changed with the battery’ s internal resistance by the embedded charging curves to avoid voltage fluctuation or current saltation because of load fluctuation ,and make sure the whole charging process is under control.The charging curve embedded in the charger has temperature compensate function, it can set the gas-evolving voltage according to the ambient temperature to change the charging curve automatically in order to fulfill the best charging effect.

► CZB5L系列充电机结构简单、操作方便、各项保护功能齐全，是全智能的充电机，最适合为各种铅酸蓄电池充电，包括为托盘车、叉车、搬运车、升降车、游览车等各种电动车辆上的铅酸蓄电池的充电。

► CZB5L series chargers with simple structure、easy operation and complete protections are absolute intelligent.It is suitable for different lead-acid batteries, including pallet truck 、fork lift 、lift truck、sightseeing bus and so on which have lead-acid batteries.

CZB5L
系列智能充电机

CZB5L Series
Intelligent Charger



► 产品主要性能：

- 充电电流控制：充电控制采用电流、电压双闭环PID控制技术，实时动态跟踪蓄电池状态，根据蓄电池内阻特性与环境温度数值，自动调整充电过程参数。
- 充电状态、参数显示：高亮度LED指示充电机的运行状态，数码管显示充电过程中蓄电池电压、充电电流、容量、时间等充电参数，显示对应充电曲线代码及故障代码；同时，配合按键操作，可以进行充电机的参数设置与数据查询。
- 充足判断：根据充电过程相关参数意见内置的充电系数，自动判别本次充电的蓄电池剩余容量，实时调整末期充电电流数值。在保证蓄电池电量充足的前提下，最大限度地降低了充电过程中蓄电池内部温度、减少析气。
- 充电系数可调：通过调整充电系数，改善充电效果，适应不同特性的铅酸蓄电池充电要求，保证充电效果。充电系数范围1.10~1.30。
- 充电机数据记录功能：充电机内置存储器件，可记录62次充电结束时的充电数据；通过按键与数码管显示，供用户现场使用检查，查询充电过程历史数据。
- 完善的充电机保护、报警功能：充电机有开路、接反、过载、短路、变压器超温、模块超温等故障保护和报警功能；
- 断电保护功能：充电过程中途断电时，充电机停止充电，充电机主电路电源恢复后，充电机自动启动，继续充电，直到蓄电池充足关机。
- 各种标准的充电模式选择：充电机具有自动均衡充电、手动均衡充电、脱硫充电、初充电模式，满足蓄电池生命周期需要的各种充电要求。

► Technical Feature:

- Controlled charging current: the charger uses current-voltage double close-loop PID control technology to follow the battery’ s state to adjust the charging parameters automatically according to internal resistance of the battery and ambient temperature.
- Display charging states and parameters: High-light LEDs display the working state of the charger, the charging parameters such as battery voltage、charging current、volume、time 、the corresponding charging curve number and fault number are display on nixie tube.at the same time,the nixie tube can set charging parameters and query dates matching up the keys
- Charged judgment:the charger judges the remainder volume of the battery and adjusts the charging current at the end of charging process according to the embedded charging coefficients product during the charging process. This can reduce the internal battery temperature and the gassing under the condition that the battery is charged.
- Adjustable charging coefficients:by adjusting charging coefficients for improving charging effect to be suitable for different battery charging demands.Charging coefficient range:1.10~1.30
- Charging dates record function: then built-in memory device can record 62 charging dates after charging ending.by keys and nixie tube ,the users can check and inquire the history charging dates.
- Protect and alert function: fault protection and alert function such as open-circuit、inversely connection、over-load、short-circuit、transform over temperature、module over temperature and so on.
- Power off protect function: if powered off during the charging process ,the charger will be shut down ,when re-powered on ,the charger will restart automatically to keep charging until the battery is charged.
- Different charging mode selection :Auto equalization charge、manual equalization charge、desulfurization charge 、initial charge mode to fulfill different charging demands

主要技术参数一览表 Main Tech.Data

型号规格 Type (V/A)	输入电源 Main Power (V)	输入功率 Input Power (kVA)	输入电流(AC) Input Current (A)	输出电流(DC) Output Current (A)	匹配蓄电池 Battery parameters		外形尺寸 Size (mm)	重量 Weight (kg)
					V	Ah (7.5h-10h)		
E24/30	220	1.1	5.1	30	24	175-240	240×350×260	21
E24/40	220	1.5	6.8	40	24	230-320	240×350×260	24
E24/45	220	1.7	7.7	45	24	260-360	240×350×260	24
E36/30	220	1.7	7.7	30	36	175-240	240×350×260	24
E36/35	220	2.0	8.9	35	36	205-280	240×350×260	25
E36/40	220	2.3	10.2	40	36	230-320	240×350×260	25
E48/25	220	1.9	8.5	25	48	145-200	240×350×260	25
E48/30	220	2.3	10.2	30	48	175-240	240×350×260	28
E48/35	220	2.6	11.9	35	48	205-280	240×350×260	28
E72/25	220	2.8	12.8	25	72	145-200	280×430×280	34
E72/30	220	3.4	15.3	30	72	175-240	280×430×280	34
D48/55	380	4.1	6.3	55	48	320-440	466×360×783	62
D48/65	380	4.9	7.4	65	48	375-520	466×360×783	65
D48/80	380	6.0	9.1	80	48	465-640	466×360×783	68
D48/100	380	7.5	11.4	100	48	580-800	526×360×883	86
D48/120	380	9.0	13.7	120	48	700-960	526×360×883	95
D80/65	380	8.1	12.3	65	80	375-520	526×360×883	87
D80/70	380	8.8	13.3	70	80	405-560	526×360×883	87
D80/80	380	10.0	15.2	80	80	465-640	526×360×883	89

注：清单中列出了部分常规规格，根据客户要求，特殊规格，可以定制！
Its only list part of product models in the table,
We do customized commissioned works to meet Special charging requirements and configurations

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We will provide the best service for user both during selling and after-sales. Welcome the customer to choose our products. Please,I inform us the type and specification of battery, we can recommend the most suitable discharger for you.

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