



ISO9001 国际质量管理体系认证企业
ISO9001 International Quality Management System Certified Enterprise

CZB6E智能充电机概述

CZB6E系列充电机，主电路使用可靠的漏磁变压器与整流二极管，通过充电控制器，实现标准的Wsa充电控制；内置的充电曲线，采用优化的充足判断方式，实时监测蓄电池的状态、充电电流、电压的数值，及时的适应充电机参数的变化，自动满足各种不同特性的蓄电池工况的充电要求。

CZB6E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；充电控制器自动保存70次历史记录数据，可以方便查询客户的充电习惯；广泛用于电动托盘车、叉车、搬运车、升降车、游览车等车辆的铅酸蓄电池的充电。

CZB6E Series ChargerProduct Introduction

The main circuit of CZB6E Series intelligent charger use reliable leakage transformer,rectifier diode and charge controller to achieve standard control of Wsa charging control; The built-in charging curve adopts the optimized sufficient judgment method to monitor the status of the battery, the charging current and the voltage value in real time, and adapt to the changes of the charging machine parameters in time can meet charging requirement of different batteries in different applications and work conditions automatically.

The CZB6E series charger is such an intelligent charger which is simple in structure, easy to use with various protection function. The charging controller automatically saves 70 times of history data, which makes it easy to query customers' charging habits; It is widely used for charging lead-acid batteries of electric pallet, forklift, carrier, lift, sightseeing bus and other vehicles.

► 本机适用于为使用铅酸电池作为动力的电动叉车、托盘车、AGV小车等电动车辆的充电。

► This charger applies to electric forklift which drives by lead acid batteries.

CZB6E

系列智能充电机

CZB6E Series Intelligent Charger



► 主要特点：

- 1)采用标准的Wsa充电曲线，适用于为各种不同类型的开口式铅酸蓄电池的充电；
- 2)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，故障时，显示故障代码；
- 3)按键功能：不同的按键组合，实现启动、暂停，数据查询与参数设置功能。
- 4)延时启动功能：充电机自动检测充电开机条件，开机时有延时启动功能，延时5秒左右接通主电路，保证充电操作人员安全。
- 5)充足判断：自动测试充电电流、电压，输入电压，智能判断充电过程的相关测试变化趋势，通过内置的充电判断方法，保证每一次充电过程都最优，适应各种蓄电池的内置特性，达到蓄电池比重到位，温升最低的目的。
- 6)充电效果可调：通过调整充电效果的系数，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。充电效果系数范围1.00-1.30。
- 7)充电机数据记录功能：充电机内置存储器件，可记录70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，纠正不良的充电习惯。
- 8)完善的充电机保护、报警功能：充电机有开路、过载、短路、变压器超温、电源缺相、电源过欠压等故障保护和报警功能；
- 9)各种标准的充电模式选择：充电机具有手动均衡充电、脉冲充电、脱硫充电模式，定时补充充电满足蓄电池生命周期需要的各种充电要求。

► Description of product features

- 1) Adopt standard charging curve Wsa which applies to different kinds of open-end lead acid batteries.
 - 2) The high light LED will indicate the charger's running status. The Nixie tube will display charging parameters in charging process such as battery voltage,charging current,capacity and time. When the fault happens, it will display the fault code.
 - 3) Button function: Different combination of the buttons can achieve the functions of start, pause, data query and parameters setting.
 - 4) Delay start function: The charger will automatically check the start up condition, 5 seconds were delayed to connect the main circuit which ensure the safety of the operator.
 - 5) Judgement of fully charged: Automatically test the charging current, voltage, input voltage and judge the variation trend of the related testing. The built-in charging judgement method will ensure that every charging process is the best to fit the built-in properties of the different kinds of battery and achieve the suitable proportion of the battery with lowest temperature rise.
 - 6) Adjustable charging effect: Through adjusting the charging effect coefficient, the charging effect will be improved and apply to the charging requirements of different kinds of lead acid batteries. The charging coefficient range: 1.00-1.30
 - 7) Function of charging data record: The charger has built-in memory devise which can record 70 charging records after finishing charging. The users can check and query the charging history for correct bad charging habits.
 - 8) Completed functions of protection and alarm: The charger functions of fault protection and alarm such as open circuit, over load, short circuit, overheating of the transformer,fault phase of power, over/under voltage of power and so on.
- Selection of various charging mode: The charger has different charging modes such as manual equalizing charge, plus current charge,desulfurization charge mode and timed supplement charge to meet different charging requirements of different batteries in different life cycle.

主要技术参数 Main Technical Parameter

充电机规格 Type		输入电源参数 Input power parameter				充电机输出参数 Output parameter		可充蓄电池范围（Ah） Chargeable battery range(Ah)		外形尺寸 Size (mm)	重量 Waight (Kg)
电压 Voltage (V)	电流 Current (A)	电压 Voltage (V)	容量 capacity (KVA)	电流 current (A)	电源保险 Power supply insurance (AC A)	充电电流 charging current (DC A)	充电电压 charging voltage (DC V)	8~10H	10~12H		
24	25	220V	1	4.4	10	25	24	155~200	200~280	95	21
	30	220V	1.2	5.3	10	30	24	185~240	240~335	95	21
	35	220V	1.4	6.2	10	35	24	215~280	280~390	95	21
	40	220V	1.5	7	10	40	24	245~320	320~445	95	24
	45	220V	1.7	7.9	16	45	24	275~360	360~500	95	24
	50	220V	1.9	8.8	16	50	24	310~400	400~555	95	25
	60	220V	2.3	10.6	16	60	24	370~480	480~665	95	28
	70	220V	2.7	12.3	20	70	24	430~560	560~780	83	28
	80	380V	3.1	4.7	10	80	24	490~640	640~890	83	59
	25	220V	1.9	8.8	16	25	48	155~200	200~280	40	25
48	30	220V	2.3	10.6	16	30	48	185~240	240~335	95	28
	35	220V	2.7	12.3	20	35	48	215~280	280~390	00	28
	40	380V	3.1	4.7	10	40	48	245~320	320~445	83	59
	45	380V	3.5	5.3	10	45	48	275~360	360~500	83	60
	50	380V	3.9	5.9	10	50	48	310~400	400~555	83	61
	60	380V	4.6	7.1	10	60	48	370~480	480~665	83	62
	70	380V	5.4	8.2	16	70	48	430~560	560~780	83	65
	80	380V	6.2	9.4	16	80	48	490~640	640~890	83	66
	90	380V	7	10.6	20	90	48	550~720	720~1000	83	83
	100	380V	7.7	11.8	20	100	48	615~800	800~1110	83	86
80	25	220V	3.2	14.7	20	25	80	155~200	200~280	00	59
	30	380V	3.9	5.9	10	30	80	185~240	240~335	83	61
	35	380V	4.5	6.9	10	35	80	215~280	280~390	83	62
	40	380V	5.2	7.8	16	40	80	245~320	320~445	83	64
	45	380V	5.8	8.8	20	45	80	275~360	360~500	83	65
	50	380V	6.5	9.8	20	50	80	310~400	400~555	83	67
	60	380V	7.7	11.8	20	60	80	370~480	480~665	83	85
	70	380V	9	13.7	20	70	80	430~560	560~780	83	87
	80	380V	10.3	15.7	20	80	80	490~640	640~890	83	88
	90	380V	11.6	17.6	25	90	80	550~720	720~1000	83	92
	100	380V	12.9	19.6	25	100	80	615~800	800~1110	83	93

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 informus the type and specification of battery, we can recommend the most suitable discharger for you.

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