



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

CZC7T锂电池充电机概述

CZC7T系列智能充电机用高性能嵌入式充电控制单元控制充电电流，通过参数优化设计的主电路模块，为各种锂电池提供连续可调的充电电流，满足各种充电工艺要求。

充电控制器内置默认的充电曲线，内置多种 BMS 充电通讯协议。也可以根据用户需要，出厂设置并存储定制的充电曲线，满足定制的充电工艺要求。

充电机控制器具有简单、实用的人机界面。在LCD触摸屏上进行充电参数设置，显示充电过程的各种参数、状态，方便用户实时了解充电过程。

充电控制器实时监测充电过程中的各种参数，使充电机具有完善的保护功能，实时保护充电过程顺利进行。

Product introduction

CZC7T series intelligent charger uses high-performance embedded charging control unit to control the charging current. The main circuit module designed by parameter optimization provides continuous adjustable charging current for various lithium batteries to meet various charging process requirements.

The charging controller has built-in default charging curve and various BMS charging communication protocols. According to the needs of users, the customized charging curve and charging communication protocol can be set and stored in factory settings to meet the customized charging process requirement.

The charger controller has a simple and practical man-machine interface. Charging parameters can be set on the LCD touch screen to display various parameters and states of the charging process, which is convenient for users to understand the charging process in real time.

The charging controller monitors all kinds of parameters in the charging process in real time, so that the charger has perfect protection function and protects the charging process smoothly in real time.

▶ 本机适用于为使用锂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。本机属欧标产品，满足欧盟出口要求。

▶ This charger applies to electric forklift which drives by lithium batteries.This charger has European Standard Certification, meet all European Union Export requirments.

CZC7T

系列锂电池充电机

Series lithium battery charger



CZC7T-E



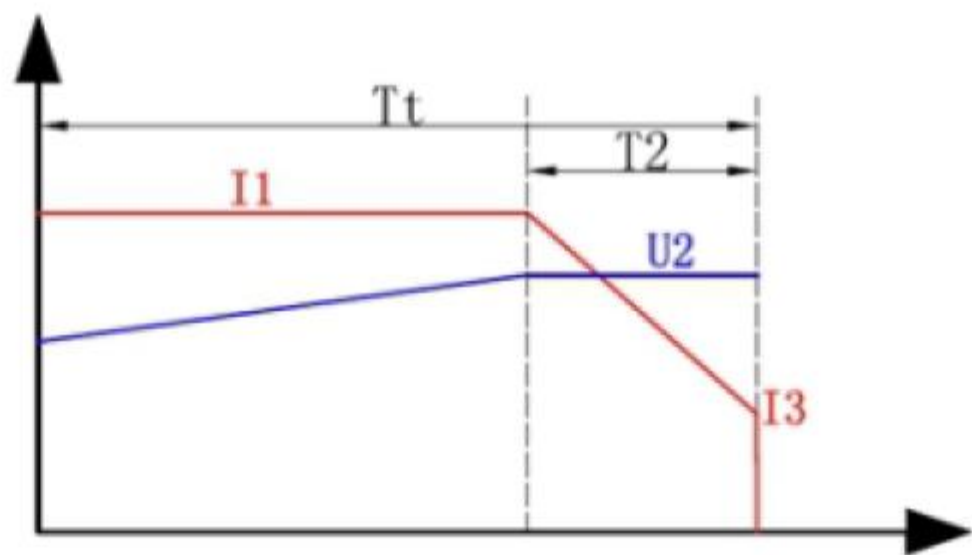
CZC7T-D

主要特点：

- 人机界面：采用4.3"串口LCD彩色触摸屏，显示充电过程参数；设置充电阶段各个参数。
- 充电数据记录：在LCD屏上，检查充电过程事件记录。
- EEPROM记录充电数据，可以进行记录数据分析。
- SD卡记录充电过程曲线，通过PC机读取。（选配）
- 预约时间充电功能：可以设定定时充电开始时刻，利用谷底用电进行充电，节省电费。
- 设置参数失电保护：对于用户设置的参数，系统可长久记忆，停电也不丢失。
- 输入电源相序：对电网无相序要求，A、B、C三相输入可任意接线。
- 特殊充电功能：强制启动(0V)功能、充电中途连接线脱落，充电机自动关机(电池脱落检测)。
- 保护功能：开路、接反、过流、过压、过热、电源缺相等的故障保护和报警功能。
- 输出控制接口：相关报警触点输出。(选配)

Description of product features

- Man-machine interface: 4.3 "serial LCD color touch screen, display charging process parameters; Set the parameters of the charging phase.Charge data logging: On the LCD screen, check the charging process event logging.
- EEPROM records the charging data and can be analyzed
- The SD card records the charging process curve and is read by the PC. (optional)
- Reservation time charging function: you can set the timing of charging, use the valley electricity for charging, saving electricity charges
- Setting parameter power loss protection: for the parameters set by the user, the system can remember for a long time,and the power failure will not make it lost.
- Input power phase sequence: there is no phase sequence requirement for the power grid, and the three-phase input A, B, and C can be connected arbitrarily.
- Special charging function: Force start function (0V),if the connecting line falls off under process of charging, the charger will automatically shut down (battery falling off detection) .
- Protection function: open circuit, reverse connection, over-current, over-voltage, over-heating, open phase protection and other fault&alarm function.
- Output control interface: relevant alarm contact output. (optional)
- 充电曲线 (IUa) Charging Curve (IUa)



主要技术参数 Main Technical Parameter

规格 Type	项目 Item 参数 Parameter	额定输入 电源 Input power supply	额定输入功率 Rated input power (KVA)	输入电流 Input current (A)	最大输出 电流 Max output current (A)	最大输出电压 Max output voltage (V)	重量 Woight (Kg)	通讯方式 Communic -ation mode	防护 等级 IP Grade	外形尺寸 Size (mm)
CZC7T-E30/100C	三相380 50Hz/60Hz	单相220 50Hz/60Hz	3.3	15.2	100	30	21	CAN	Ip21	518*261*405
CZC7T-D60/100C			6.5	9.8	100	60	46			715*380*690
CZC7T-D60/150C			9.7	14.7	150	60	47			715*380*690
CZC7T-D60/200C			12.9	19.6	200	60	56			715*380*690
CZC7T-D60/300C			19.4	29.4	300	60	62			715*380*690
CZC7T-D100/100C			10.8	16.3	100	100	46			715*380*690
CZC7T-D100/150C			16.2	24.5	150	100	55			715*380*690
CZC7T-D100/200C			21.5	32.7	200	100	56			715*380*690
CZC7T-D100/300C			32.3	49.0	300	100	70			715*380*690

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.

上海施能电器设备有限公司
SHANGHAI SHINENG ELECTRICAL EQUIPMENT CO.,LTD.

地址：上海市浦东新区航头镇航鸣路22号(201316)
营销部：021- 58222666 58224888
技术支持：021-58228080
传真：021-5822888
电子邮箱：shineng@shineng.com
网址：www.shineng.com

Address:No.22Hangming Rd. Hangtou Town Pudong New District, Shanghai(201316)
Sales Dept.: 021-58222666 58224888
Tech Support: 021-58228080
Fax: 021-5822888
E-mail: shineng@shineng.com Http: //www.shineng.com