



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

概述

CZC7EI系列智能充电机，内置高性能嵌入式充电控制器；充电控制器，通过CAN总线，与锂电池BMS通讯，接受BMS充电参数要求，控制并联运行的主电路电源模块，输出需要的充电电流、电压，实现锂电池充电过程的闭环控制。

通过标准化大规模生产的主电路电源模块并联运行，为各种规格的锂电池提供连续可调的充电电流，满足各种需求的锂电池充电工艺要求。

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与充电通讯协议，满足定制的充电工艺要求。

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

CZC7EI series lithium charger is built-in high-performance embedded charging controller; the charging controller communicates with lithium battery BMS through CAN bus, accepts the charging parameter requirements from BMS, controls the main circuit power module running in parallel, output the required charging current and voltage to realizes the closed-loop control of lithium battery charging process.

Through the parallel operation of the main circuit power modules of standardized large-scale production, continuous adjustable charging current is provided for various specifications of lithium batteries, and the charging process requirements of lithium batteries with various requirements are met.

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 requirements

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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。

► This charger applies to electric forklift which drives by lithium batteries, pallet truck,AGV car and other electric vehiche's charging

CZC7EI
系列 锂电池充电机

CZC7EI Series
Chargers introduction



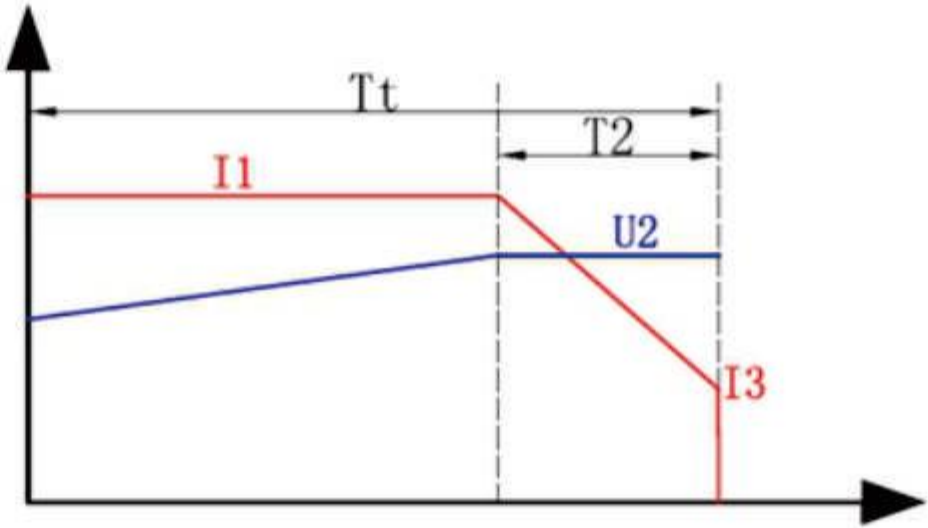
► 产品特点说明:

- 预约时间充电功能：可以设定定时充电，利用峰谷用电进行充电，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。
- 数码管显示蓄电池电压、充电电流、容量、时间、充电机工作状态、模组信息、电池信息等参数；
- 特殊充电功能：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、过流、过压、过热、缺相保护等的故障保护功能。

► Description of product features

- Reservation time charging function: you can set the timing of charging, use the peak and 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.
- The digital tube displays battery voltage, charging current, capacity, time, charger working state, module information, battery information and other parameters;
- Special charging function: if the connecting line falls off under process of charging, the charger will automatically shut down (battery falling off detection).
- Protection function: open circuit, over-current, over-voltage, overheating, open phase protection and other fault protection functions.

充电曲线 (IUa) Charging Curve (Iua)



主要技术参数 Main Technical Parameter

常规产品规格表 Regular product technique data										
规格 Type	项目 Item 参数 Parameter	额定输入电源 Input power supply 50Hz/60Hz	额定输入功率 Rated input power kVA	输入电流 Input Current (Aac)	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 Communi- cation Mode	防护等级 IP Grade	外形尺寸 Size (mm)
E30V/100A	单相 220 50Hz/60Hz		3.3	15.2	100	30	17	CAN	IP21	485*271*310
E60V/50A			3.3	15.2	50	60	16			485*271*310
D60V/100A	三相 380 50Hz/60Hz		6.9	10.5	100	60	36			625*371*394
D60V/200A			13.8	21.0	200	60	48			625*371*394
D100V/100A			10.8	16.3	100	100	37			625*371*394
D100V/150A			16.1	24.5	150	100	50			625*371*394
D100V/200A			21.5	32.7	200	100	57			625*371*394
D100V/300A	三相 380 50Hz/60Hz		32.3	49.0	100	300	75			476*657*528
D120V/250A			32.3	49.0	250	120	125			809*500*1030

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 EL ECTRICAL 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