



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

CZC7HF 锂电池充电机概述

CZC7HF一体化整车直流充电机主要用于对高压锂电叉车、电动汽车等电动车辆进行快速充电。该产品安装在户外，防水，防尘设计，防护等级IP54。本产品将充电机、充电接口、人机交互界面、通信、计费部分集成为一个整体，采用模块化设计，具有安装调试方便、运行维护简单等特点，是高压锂电叉车、电动汽车等电动车辆的户外直流快速充电的理想选择。

CZC7HF Lithium Battery Charger overview

CZC7HF integrated vehicle DC charger is mainly used for fast charging of high-voltage lithium forklift, electric vehicle and other electric vehicles. The product is installed outdoors, with waterproof and dustproof design, and the protection grade is IP54. This product integrates the charger, charging interface, human-computer interaction interface, communication, billing and other parts into a whole, adopts modular design, and has the characteristics of convenient installation and debugging, simple operation and maintenance. It is an ideal choice for outdoor DC fast charging of high-voltage lithium forklift, electric vehicles and other electric vehicles.

► 本系列充电机适用于为使用高压锂电池作为动力的电动叉车、托盘车、AGV车等电动车辆进行充电。

► This series charger is applied to charging of electric forklift ,pallet truck, AGV and other electric vehicles which are powered by high-voltage lithium batteries.

CZC7HF
系列 锂电池充电机

CZC7HF Series
lithium battery charger



► 主要特点：

- 充电设备采用多台高频开关电源模块并联冗余备份运行，组成大功率充电系统，模块间不均流度≤5%，具有可靠性高、易于维护等特点；
- 整车充电系统效率高达93%以上；
- 分段式恒定功率设计，宽范围设定输出电压电流，可以大幅度提升充电速度，快充和慢充可以自由选择；
- 电源模块自带标准隔离CAN通信口与监控器通信；
- 充电系统设有独立的监控器，与人机交互界面及上位机等交换信息，监控系统运行；
- 人机交互界面采用高性能ARM芯片和7寸真彩色触摸屏，人性化设计，操作简单、方便；人机交互界面通过 CAN 总线和电池管理单元（BMS）或车载仪表连接，根据电池巡检（BMS）的给定参数运行，设定不同的充电运行模式，实现快速充电；
- 设有完善的保护功能，如交流过/欠压保护、直流输出过/欠保护、输出限流/过流保护、过温保护等；

► Main Characters

- The charging equipment adopts multiple high-frequency switching power modules for parallel redundant backup operation to form a high-power charging system. The current sharing unbalance between modules is less than 5%, which is characterized by high reliability and easy maintenance;
- The efficiency of the whole vehicle charging system is above 93%;
- Sectional constant power design, wide range setting of output voltage and current, can greatly improve the charging speed, fast charging and slow charging can be freely selected;
- The power module has its own standard isolated CAN communication port which is used to communicate with the main controller;
- The charging system is equipped with an independent monitor to exchange information with the human-computer interface and the upper computer, and monitor the system operation;
- The human-computer interaction interface adopts high-performance ARM chip and 7-inch true color touch screen, with humanized design and simple and convenient operation; The human-computer interaction interface is connected with the battery management unit (BMS) or on-board instrument through the CAN bus, and operates according to the given parameters of the battery inspection (BMS), sets different charging operation modes, and realizes rapid charging;
- Complete protection functions, such as AC over-voltage/undervoltage protection, DC output over-voltage/undervoltage protection, output current limiting/over-current protection, over temperature protection, etc;

主要技术参数 Main Technical Parameter

CZC7HF系列高压锂电池充电机 CZC7HF series high voltage lithium battery charger									
型号 Model	输入电源 Main Power (Vac)	输入功率 Input Power (KVA)	输入电流 Input Current (Aac)	最大输出电流 Max.Output Current (Adc)	最大输出电压 Max.Output voltage (Vdc)	通讯方式 Communication Mode	防护等级 Protection grade	外形尺寸 Size (mm)	重量 Woight (Kg)
CZC7HF1-D750/0200	三相 380 (3P+N+PE) 50Hz/60Hz	21.7	33	50	750	CAN	IP54	714*450*1600	101
CZC7HF1-D750/0400		43.4	66	100	750			714*450*1600	111
CZC7HF1-D750/0600		65.1	99	150	750			862*500*1700	204
CZC7HF2-D750/1200		130.3	198	150*2	750			862*600*1900	300

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

使用施能产品无后顾之忧，售前、售中、售后均会为您提供品质的服务。竭诚欢迎广大新老客户惠顾，选型时，只要提供蓄电池的型号规格，我们会为您推荐合适的机型。

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