HAT832
三电源自动切换控制器

THREE POWER ATS CONTROLLER

● 简介

根据 S1、S2、S3 电源状态、切换优先级及自投自复状态控制两台 ATS，实现三路电源切换，保证负载供电。广泛应用于电信、轨道交通、数据中心、智慧大厦等供电要求高的场合。

Overview

Control two ATS according to the power supply status, transfer priority, and auto transfer/auto restore status of S1, S2 and S3. It can realize transfer between three powers to provide stable power supply for load. It can be widely used in telecommunication, rail transport, data centers, smart buildings and other occasions which requires high quality power supply.

● 特点

- 4.3英寸LCD液晶，主页显示拓扑图
- 可用于多种PC级开关
- 系统类型可设置三路市电、两市电一发电、一市电两发电
- S1/S2/S3优先级任意设置
- 采集并显示负载有功功率、无功功率、视在功率、功率因数及电流
- S1/S2/S3 独立过流警告、跳闸报警
- 开关供电DPS输出
- 电池电压检测
- 电梯控制
- 2路RS485设计，可实现四遥功能
- 实时时钟、历史记录(200)、黑匣子
- 可控制两台发电机组，实现主备开机、循环开机、均衡运行时间开机

Features

- 4.3-inch LCD screen, which displays the topology diagram in homepage
- It is suitable for various types of ATSE (Class PC)
- System type can set as: Three Mains, Two Mains & One Gen, One Mains & Two Gen
- The transfer priority of S1/S2/S3 can be set flexibly
- Collect and display the active power, reactive power, apparent power, power factor and current of load
- Separated overcurrent warning and trip alarm for S1/S2/S3
- DPS output of ATS power supply
- Voltage detection for battery
- Elevator control
- Two RS485 ports to realize "Four Remotes" function (remote control/measuring/adjusting/communication)
- Functions of real-time clock, event log (200 records), and black box
- It can control two gensets to run into various operation modes, such as master/standby mode, cycle mode, and balanced running time mode
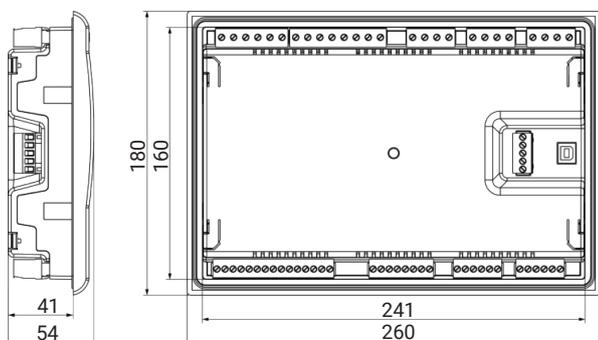
● 技术参数 Technical Parameters

电源 Power	工作电压：DC(8-35)V AC(90-305)V(A1N1/A2N2/A3N3供电) 整机功耗：<7W(待机方式：≤2W)	Operating Voltage：DC(8-35)V AC(90-305)V(A1N1/A2N2/A3N3power supply) Power Consumption：<7W(Standby mode：≤2W)
交流电压采样 AC Voltage Sampling	三相四线(L-N)（50-305)V 单相二线(L-N)（50-305)V 两相三线(A-B)（80-530)V	3P4W(L-N)（50-305)V 1P2W(L-N)（50-305)V 2P3W(A-B)（80-530)V
通信接口 Comm. Port	两路RS485隔离接口，MODBUS协议 D型USB接口	Two isolated RS485 ports under MODBUS protocol Type-D USB port
结构 Structure	外形尺寸：260 × 180 × 54mm 开孔尺寸：242 × 161mm	Overall Dimensions：260 × 180 × 54mm Panel Cutout：242 × 161mm
环境 Environment	工作温度：(-25~+70)℃ 工作湿度：(20~93)%RH 贮存温度：(-25~+70)℃ 防护等级：IP65	Working Temperature：(-25~+70)℃ Storage Temperature：(20~93)%RH Working Humidity：(-25~+70)℃ IP Rating：IP65
标准和认证 Standards & Certificates	认证：CE、RoHS 振动：5~8Hz：位移±7.5mm 　　　8~500Hz：加速度2g 　　　IEC 60068-2-6 冲击：50g_n，11ms，半正弦 　　　IEC 60068-2-27 碰撞：20g_n，16ms，半正弦 　　　IEC 60255-21-2	CE、RoHS Certification Vibration : 5-8: amplitude=±7.5mm 　　　8~500Hz：a=2g 　　　(IEC 60068-2-6) Shock: 50g_n，11ms, half-sine 　　　(IEC 60068-2-27) Bump: 20g_n，16ms, half-sine 　　　(IEC 60255-21-2)

● 尺寸 Dimensions

单位(Unit)：mm

● 端口 Ports

可编程输出口(12) Aux. Output (12)	DPS输出 DPS Output	S1电压采样 S1 Voltage Sampling	S2电压采样 S2 Voltage Sampling	S3电压采样 S3 Voltage Sampling
			RS485(2)	USB
直流供电 DC Power	一路合闸输入 S1 Close Input	二路合闸输入 S2 Close Input	三路合闸输入 S3 Close Input	可编程输入口(8) Aux. Input (8)	电流采样 Current Sampling