

# HAT821/HAT821S

## 两进线一母联控制器

DUAL POWER BUS TIE CONTROLLER



### 简介

根据 S1、S2 电源状态，实现两台进线开关和母联开关 3 合 2 自动转换，HAT821S 可实现并联转换，不间断供电。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。

### 特点

- 4.3英寸大屏显示
- 2路RS485设计，可实现“四遥”功能
- 开关供电DPS输出
- 自投自复、自投不自复，自复等待时间可设
- 负荷卸载控制，转换前输出卸载信号
- 电梯控制
- 实时时钟、历史记录，可循环记录200条数据
- 开关脱扣故障闭锁
- S1/S2弧光保护跳闸
- 在开关并联切换时，自动解除电气联锁(仅HAT821S)
- 就地模式，控制器只显示不控制
- 黑匣子

### Overview

The Dual Power Bus Tie Controller can automatically transfer two incoming line switches and bus tie switches (3-in-2) according to S1 and S2 power supply status. And the HAT821S controller can realize parallel transfer and uninterrupted power supply. It can be widely used in telecommunications, rail transport, data centers, smart buildings and other occasions which requires high quality power supply.

### Features

- 4.3-inch large size LCD display
- Two RS485 ports to realize “Four Remotes” function (remote control/measuring/adjusting/communication)
- DPS output of ATS power supply
- Auto transfer/auto restore, auto transfer/non-auto restore, auto restore interval can be set
- Control of unloading, which outputs unloading signal before transfer
- Elevator control
- Real-time clock and event log, which can record up to 200 logs continuously
- ATS trip fault block
- Arc flash protection trip for S1/S2
- Automatic electrical interlock release function when the ATS is doing parallel transfer (only for HAT821S)
- Local mode, which means the controller can only display data parameters, but cannot control the ATS
- Black box

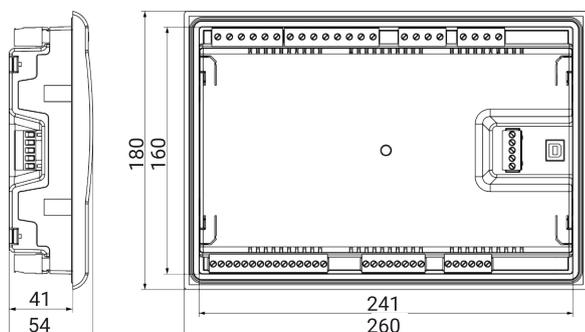


## ● 技术参数 Technical Parameters

<b>工作电压</b> Operating Voltage	工作电压: DC(8~35)V AC(90~305)V (A1N1/A2N2供电)	Operating Voltage: DC(8~35)V AC(90~305)V A1N1/A2N2 supply
<b>交流电压输入</b> AC Voltage Input	三相四线(L-N) (50~305)V 单相二线(L-N) (50~305)V 二相三线(A-B) (80~530)V	3P4W(L-N) (50~305)V 1P2W(L-N) (50~305)V 2P3W(A-B) (80~530)V
<b>额定频率</b> Rated Frequency	50/60Hz	50/60Hz
<b>通信方式</b> Communication Method	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
<b>结构</b> Structure	外形尺寸: 260 × 180 × 54mm 开孔尺寸: 242 × 161mm	Overall Dimensions: 260 × 180 × 54mm Panel Cutout: 242 × 161mm
<b>环境</b> Environment	工作温度: (-25~+70)°C 工作湿度: (20~93)%RH 贮存温度: (-25~+70)°C 防护等级: IP65	Working Temperature: (-25~+70)°C Working Humidity: (20~93)%RH Storage Temperature: (-25~+70)°C IP Rating: IP65
<b>标准和认证</b> Standards & Certificates	认证: CE、RoHS 振动: (5~8)Hz: 位移±7.5mm (8~500)Hz: 加速度4g IEC 60068-2-6 冲击: 50g <sub>n</sub> , 11ms, 半正弦 IEC 60068-2-27 碰撞: 25g <sub>n</sub> , 16ms, 半正弦 IEC 60255-21-2	CE、RoHS Certification Vibration: (5~8)Hz: amplitude=±7.5mm (8~500)Hz: a=4g (IEC 60068-2-6) Shock: 50g <sub>n</sub> , 11ms, half-sine (IEC 60068-2-27) Bump: 25g <sub>n</sub> , 16ms, half-sine (IEC 60255-21-2)

## ● 尺寸 Dimensions

单位(Unit): mm



## ● 端口 Ports

可编程序出口 (12) Aux. Output (12)	DPS输出 DPS Output	S1电压采样 S1 Volt. Sampling	S2电压采样 S2 Volt. 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	母联合闸输入 Bus Tie Close Input
			可编程序输入口 (8) Aux. Input (8)